

Michał Marosz

Wieloletnia charakterystyka przepływu powietrza nad Polską Północną 1951-2015



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Recenzent

Prof. dr hab. Zbigniew Ustrnul

Redaktor

dr Michał Marosz

Redakcja techniczna i skład komputerowy

dr Michał Marosz

Projekt okładki

dr Michał Marosz

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Wydawca

Katedra Meteorologii i Klimatologii,
Instytut Geografii, Uniwersytet Gdańskiego
Bażyńskiego 4
80-309 Gdańsk
tel: (+4858) 523 65 24
e-mail: klimat@ug.edu.pl
www: klimat.ug.edu.pl

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Wstęp

Analiza warunków anemologicznych stanowi istotne zagadnienie dla obszarów narażonych na występowanie wysokich wartości prędkości wiatru. W przypadku Polski takim regionem jest z pewnością wybrzeże Bałtyku, gdzie w ciągu ostatnich kilku lat stosunkowo często występowały wiatry o katastrofalnej sile, przynoszące straty w ludziach oraz infrastrukturze.

Z tego względu stały monitoring procesów związanych z przepływem powietrza jest niezwykle istotny nie tylko pod względem naukowym, ale również z punktu widzenia aplikacyjnego, pozwalając na pogłębioną analizę cech przepływu powietrza nad analizowanym obszarem.

Analiza prędkości wiatru i pola przepływu powietrza w ogóle, pozostaje jednym z podstawowych zagadnień rozważanych w Klimatologii. Ciągłość/jednorodność, a co za tym idzie jakość pozyskiwanych danych jest elementem podstawowym, warunkującym uzyskanie wiarygodnych charakterystyk, dotyczących prędkości i kierunku wiatru. Niestety, bardzo często warunek ten nie jest spełniony, ze względu na zerwanie jednorodności ciągów pomiarowych (WASA 1998). Przyczyną tego zjawiska, może być (między innymi) zmiana lokalizacji stacji, jak również jej otoczenia lub typu przyrządów, którymi wykonywane są pomiary.

Jednym z możliwych sposobów rozwiązania tego problemu jest wykorzystanie syntetycznych wskaźników pozwalających na określenie kierunku i prędkości przepływu powietrza nad obszarem badań. Wskaźniki takie oparte są najczęściej o wartości zmiennych meteorologicznych w mniejszym stopniu narażonych na problemy związane z zerwaniem jednorodności ciągów danych. W przypadku analizy przepływu powietrza najczęściej stosowanym wskaźnikiem jest wektor wiatru geostroficznego. Wyniki projektu WASA (WASA 1998) jednoznacznie wskazują na możliwość jego zastosowania w analizach anemologicznych w obszarach, gdzie jednorodność długich serii danych jest wątpliwa. Wiatr geostroficzny był wielokrotnie stosowany, zarówno w ogólnych analizach warunków anemologicznych (Ustrnul 1997, Marosz & Miętus 2012, Marosz 2016) jak również w zagadnieniach związanych z ze statystycznym *downscalingiem* (np. Thorndike 1982, Miętus 1993, 1994, 1995, 1996, Marosz 1999, Kimura & Wakatsuchi 2000, Degirmendzic i in. 2004). Marosz (2015) wykorzystał dane SLP (Sea Level Pressure) z wielolecia 1951 - 2014 i dokonał analizy ekstremalnych prędkości wiatru geostroficznego w Polsce Północnej, stosując nie

tylko klasyczne miary statystyczne, ale ponadto modelowanie z wykorzystaniem Uogólnionego Rozkładu Wartości Ekstremalnych (GEV - Generalized Extreme Value Distribution) (Coles 2001, Gilleland E., Katz R.W. 2014), co pozwoliło na określenie wartości prędkości wiatru o określonym prawdopodobieństwie przekroczenia.

Niniejsza synteza ma na celu uzupełnienie pracy Marosza (2015), która koncentrowała się na „ekstremalnych” aspektach prędkości wiatru o ogólną charakterystykę cech przepływu powietrza nad Polską Północną. Analizie poddano wieloletnią zmienność wybranych cech przepływu powietrza: modułu wektora wiatru geostroficznego (V), składowych (u - równoleżnikowej, v - południkowej) oraz współczynnika stałości kierunku wiatru (η).

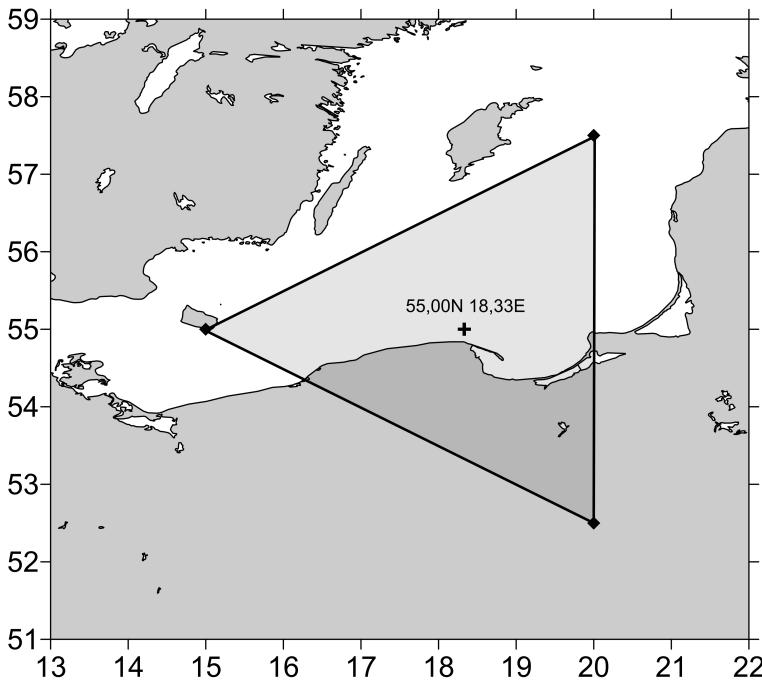
Rozdział 1

Dane i metody badawcze

1.1 NCEP/NCAR Reanalysis

Dane wykorzystane w opracowaniu pochodzą z reanalizy NCEP/NCAR (Kalnay i in. 1996, Kistler i in. 2001), która jest jednym z najczęściej wykorzystywanych źródeł danych w badaniach klimatologicznych. Analiza przedstawiona w niniejszej publikacji jest oparta o wyniki obliczeń publikowanych przez Katedrę Meteorologii i Klimatologii Uniwersytetu Gdańskiego (Marosz 2012), która udostępnia w swoim serwisie (www.klimat.ug.edu.pl) kalendarz wiatru geostroficznego dla wielolecia 1951-2010 oraz publikuje (począwszy od stycznia 2011) comiesięczne raporty, realizując w ten sposób zadania związane z monitoringiem charakterystycznych cech przepływu powietrza nad Polską Północną. W niniejszej publikacji dane zostały uzupełnione o wielolecie 2011-2015. W przypadku wybranych charakterystyk analiza odnosi się do wyników dotyczących zmienności przepływu geostroficznego, uśrednionych dla całego kraju i opublikowanych przez Marosza (2016), przy czym okres porównawczy jest nieco krótszy: 1951-2014.

Zmienna meteorologiczna wykorzystana w opracowaniu to ciśnienie atmosferyczne na poziomie morza (Sea Level Pressure - SLP) z trzech punktów grid: 15°0'E 55°0'N, 20°0'E 57°30'N oraz 20°0'E 52°30'N (Ryc. 1.1). Rozdzielcość czasowa danych wynosiła 6h, a zakres analizy obejmował 65 lat (1951-2015) - łącznie ponad 90 tysięcy kroków czasowych. Wektor wiatru geostroficznego „zaczeplony” jest w punkcie 18°20'E 55°0'N (będącym środkiem ciężkości trójkąta), położonym kilkanaście kilometrów na północ od Jastrzębiej Góry, natomiast obliczone charakterystyki odzwierciedlają chwilowy, uśredniony (poprzez interpolację SLP) geostroficzny przepływ powietrza w trójkącie opisanym wyżej wymienionymi koordynatami (Ryc. 1.1). Gęstość powietrza w środku ciężkości trójkąta została określona na podstawie wartości temperatury powietrza (z poziomu *sigma995* - najniższego poziomu modelu zastosowanego w reanalizie) oraz interpolowanej wartości SLP.



Ryc. 1.1. Lokalizacja punktów wykorzystanych w opracowaniu. Krzyżykiem oznaczono punkt zaczepienia wektora wiatru geostroficznego

1.2 Wiatr geostroficzny

Ogólne równanie ruchu cząstki powietrza można przedstawić w następujący sposób (Miętus 2003):

$$\frac{D\vec{V}}{Dt} = -\frac{1}{\rho} \nabla p + \vec{f}_c \times \vec{V} + \vec{g} + \vec{F}$$

gdzie: \vec{V} - prędkość, ρ - gęstość powietrza, ∇p - gradient ciśnienia, $\nabla = (\frac{\delta}{\delta x}, \frac{\delta}{\delta y}, \frac{\delta}{\delta z})$, $\vec{f}_c \times \vec{V}$ - siła Coriolisa, \vec{g} - siła grawitacji, \vec{F} - siły zewnętrzne np. siła tarcia.

Wiatr geostroficzny może zostać zdefiniowany jako przepływ powietrza w swobodnej atmosferze (bez tarcia), odbywający się równolegle do izobar i charakteryzujący się stałą prędkością. Tego typu przepływ jest wynikiem równoważenia się dwóch sił: poziomego gradientu ciśnienia oraz Coriolis'a (Kożuchowski 2003). Niemalże każdy podręcznik z zakresu Meteorologii zawiera mniej lub bardziej wyczerpujący opis modelu przepływu geostroficznego, dlatego w niniejszej pracy nie ma potrzeby jego szczegółowego omówienia.

Ruch cząstki powietrza będącej w równowadze geostroficznej, a więc w sytuacji wzajemnego znoszenia się siły poziomego gradientu ciśnienia oraz Coriolis'a, przy jednoczesnym „wyzerowaniu” pozostałych sił uwikłanych w ogólne równanie ruchu cząstki powietrza, jak również przy założeniu równowagi hydrostatycznej i braku przyspieszenia można zapisać w następujący sposób (Miętus 2003):

$$0 = -\frac{1}{\rho} \nabla p + \vec{f}_c \times \vec{V}$$

a wartości jego składowych: u i v (odpowiednio: równoleżnikowej i południkowej) można obliczyć, korzystając z następujących zależności (Stull 2000):

$$0 = -\frac{1}{\rho} \cdot \frac{\delta p}{\delta x} + f_c \cdot v$$

$$0 = -\frac{1}{\rho} \cdot \frac{\delta p}{\delta y} - f_c \cdot u$$

gdzie:

p - ciśnienie atmosferyczne

ρ - gęstość powietrza

f_c - komponent siły Coriolis'a, $f_c = 2\omega \sin \phi$, gdzie ω to prędkość kątowa Ziemi

u, v - składowe wektora wiatru

i dalej, przyjmując jednocześnie, że składowe wektora wiatru geostroficznego (u_g, v_g) są tożsame ze składowymi wektora wiatru ($u \equiv u_g, v \equiv v_g$), otrzymujemy:

$$u_g = u = -\frac{1}{\rho f_c} \cdot \frac{\delta p}{\delta y}$$

$$v_g = v = +\frac{1}{\rho f_c} \cdot \frac{\delta p}{\delta x}$$

Miętus (1996), Marosz i Mietus (2012) oraz Marosz (2016) przedstawiają praktyczne aspekty obliczeń składowych wektora wiatru geostroficznego. W skrócie, opierają się one na dopasowaniu parametrów równania (z geometrycznego punktu widzenia płaszczyzny) do wartości p w trzech wierzchołkach trójkąta, z koordynatami tychże jako zmiennymi x i y . Otrzymane równanie ma postać:

$$p = f(x_i, y_i) = ax_i + by_i + c \quad \text{dla } i = 1, 2, 3$$

gdzie:

p - ciśnienie atmosferyczne na poziomie morza (SLP)

a, b, c - współczynniki równania regresji wielokrotnej

x_i, y_i - koordynaty wierzchołków trójkąta (km)

Umożliwia to obliczenie wartości poziomego gradientu barycznego (w hPa/100km):

$$\nabla p = 100\sqrt{a^2 + b^2}$$

a wynikający z zarysowanych powyżej teoretycznych założeń wzór:

$$\vec{V}[ms^{-1}] = \frac{1}{2\rho\omega\sin\phi} \cdot \nabla p$$

gdzie:

ρ - gęstość powietrza

ω – prędkość kątowa Ziemi - $7,27 \cdot 10^{-5}s^{-1}$

ϕ - szerokość geograficzna

∇p - poziomy gradient baryczny (hPa/100km)

pozwala na obliczenie prędkości wiatru geostroficznego (V) w określonym punkcie pod warunkiem znajomości poziomego gradientu ciśnienia oraz gęstości powietrza. Kierunek wiatru geostroficznego można obliczyć z wykorzystaniem funkcji trygonometrycznej \arctan oraz związków między wartościami współczynników kierunkowych równania regresji: a i b . Należy przy tym zwrócić uwagę na fakt, że współczynniki kierunkowe równania regresji „wskazują” kierunek „obrócony” o 180° względem rzeczywistego (gradient jest skierowany w kierunku niższego ciśnienia) i należy to uwzględnić w obliczeniach kierunku wiatru geostroficznego.

1.3 Zakres przeprowadzonych analiz

Przedmiotem przeprowadzonych analiz były zarówno uśrednione, wieloletnie (1951-2015) charakterystyki statystyczne modułu wektora wiatru geostroficznego (V) oraz jego składowych (u - równoleżnikowej i v - południkowej), jak również ich analiza porównawcza z wynikami otrzymanymi dla całego kraju w wieku 1951-2014 (Marosz 2016). Pozwoliło to nie tylko na ogólny opis warunków anemologicznych nad obszarem analizy ale również na określenie stopnia odmienności Północnej Polski względem wartości charakteryzujących przecienny przepływ nad obszarem całego kraju.

Kolejnym etapem była analiza cech cyklu rocznego wybranych charakterystyk statystycznych wektora wiatru geostroficznego, a następnie ich zmienności wieloletniej. W analizie wykorzystano kwantyle: 1%, 99% oraz wartości średnie, natomiast w analizie zmienności długookresowej ze względu na liczebność próby (około 120 przypadków w miesiącu) postanowiono, że wykorzystane zostaną kwantyle 10% oraz 90%, które zgodnie ze standardami IPCC (2012) mogą być uznane za wartości ekstremalne, a jednocześnie zapewniają poprawną estymację analizowanych charakterystyk.

Dodatkową charakterystyką przepływu powietrza poddaną analizie był współczynnik η , będący miarą stabilności kierunku wiatru. Obliczenia η opierają się o wartości średnie (w odpowiedniej skali czasowej: np: miesięczne, roczne) składowych (u i v) oraz modułu (V) wektora wiatru.

$$\eta = \frac{\sqrt{\bar{u}^2 + \bar{v}^2}}{\bar{V}}$$

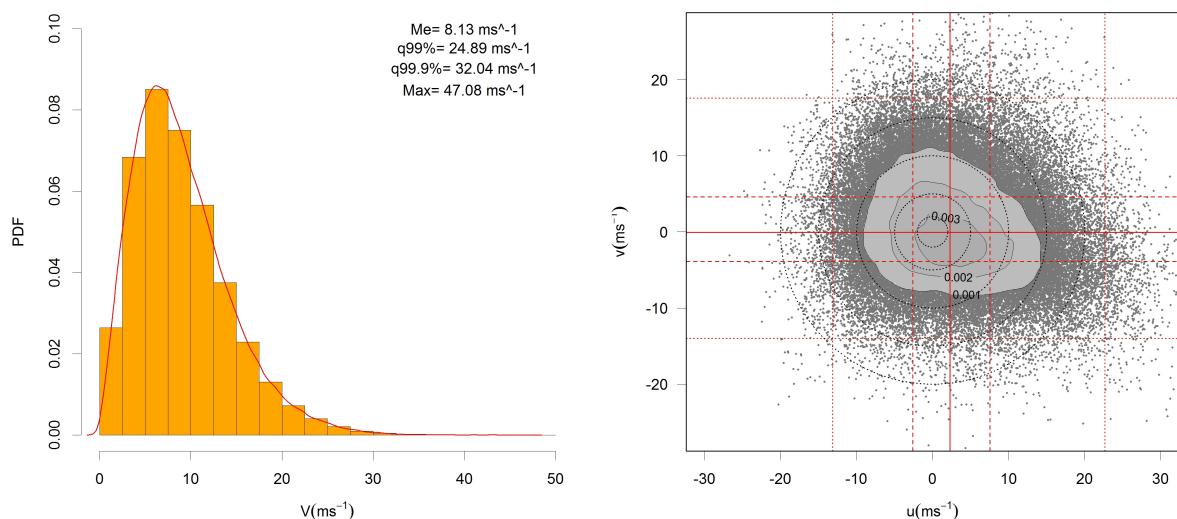
Wartości mieszczą się między 0 i 1, gdzie wartość 0 oznacza pełną równowagę kierunków adwekcji, natomiast wartość 1 oznacza występowanie adwekcji tylko z jednego kierunku.

Analiza współczynników kierunkowych trendu liniowego dla całego wielolecia (1951-2015) została uzupełniona o testowanie ich istotności statystycznej za pomocą testu Mann'a-Kendall'a (na poziomie istotności $\alpha = 0,05$) (Wilks 2011). Dodatkowo, przeprowadzono analizę wartości współczynników trendu w krótszych okresach czasowych (co najmniej 30-to letnich), co pozwoliło na określenie charakterystycznych cech zmienności analizowanych procesów, które w znacznym stopniu są maskowane przez analizy przeprowadzane na pełnym materiale - w tym przypadku całej serii danych obejmującej wielolecie 1951-2015 (65 lat).

Rozdział 2

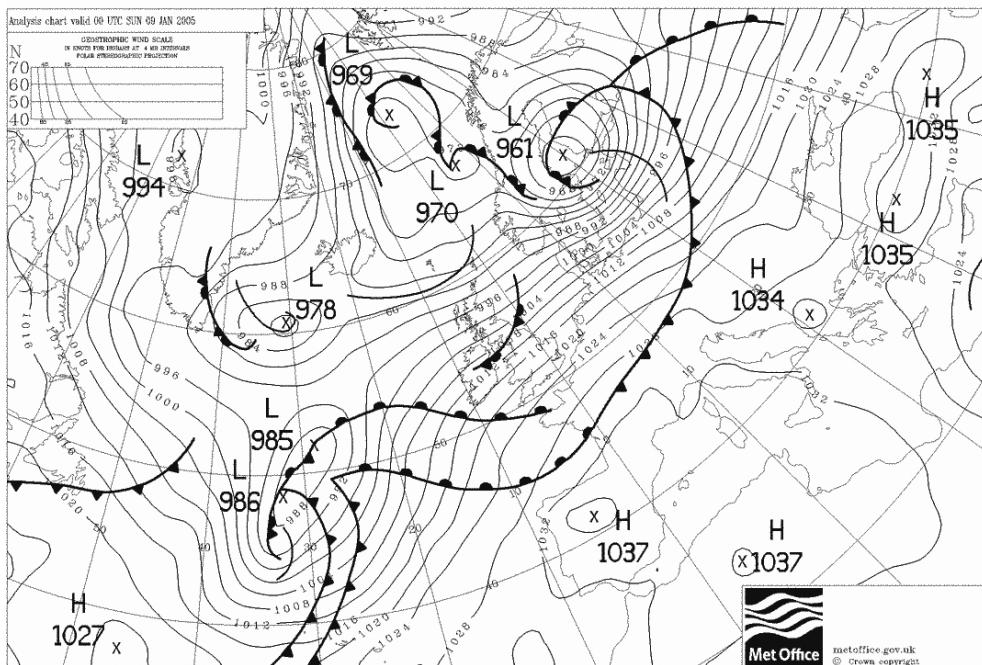
Cechy przepływu powietrza

2.1 Ogólna charakterystyka V , u oraz v



Ryc. 2.1. Rozkład empiryczny (po lewej) prędkości wiatru geostroficznego (V), wykres rozrzutu (po prawej) składowych (u , v) nad Polską Północną wraz z podstawowymi charakterystykami, średnia - linia ciągła, kwantyle: 25% oraz 75% - linia przerywana, kwantyle 1% oraz 99% - linia kropkowana
1951-2015

W skali wielolecia (1951-2015) średnia prędkość wiatru geostroficznego (V) wyniosła 9.0 ms^{-1} , natomiast wartości mediany była nieco niższa i wynosiła 8.13 ms^{-1} . Rozkład empiryczny V (Ryc. 2.1) wskazuje na wyraźną asymetrię dodatnią. Średnia roczna prędkość przepływu geostroficznego w Północnej Polsce jest o 1.6 ms^{-1} wyższa od średniej dla obszaru całego kraju - porównania dokonano z wynikami dla synchronicznego wielolecia 1951-2014 opublikowanymi przez Marosza (2016). Wartość ta jednoznacznie wskazuje na „uprzywilejowanie” tej części kraju pod względem prędkości przepływu. Obliczone,



Ryc. 2.2. Ciśnienie na poziomie morza (SLP) nad Europą i Północnym Atlantykiem - 2005-01-09 00UTC

źródło: <http://www.wetterzentrale.de/>

empiryczne wartości o prawdopodobieństwie przekroczenia (1% oraz 0,1%) wynoszą odpowiednio 24,9 oraz $32,0 \text{ ms}^{-1}$. Wskazuje to na stosunkowo częstą możliwość wystąpienia bardzo wysokich wartości V , zbliżonych do, lub przekraczających 100 kmh^{-1} . Maksymalna zanotowana wartość V wyniosła $47,1 \text{ ms}^{-1}$ i wystąpiła 2005-01-09 o 00:00UTC. Ryc. 2.2 przedstawia pole SLP wraz z wyraźnie zaznaczonym regionem wysokich wartości poziomego gradientu ciśnienia związanym z głębokim układem niskiego ciśnienia z centrum nad Zatoką Botnicką.

Tab. 2.1. Wybrane charakterystyki wiatru geostroficznego, V - moduł wektora, u - składowa równoleżnikowa, v - składowa południkowa, q_{01} , q_{99} - kwantyle: 1%, 99%, η - współczynnik stabilności kierunku wiatru, 1951-2015

Zmienna	1	2	3	4	5	6	7	8	9	10	11	12	ROK
V	11.3	10.2	9.8	8.2	7.3	6.9	7.0	7.1	8.6	9.7	10.7	11.3	9.0
V_{q99}	29.4	27.0	25.1	20.9	18.0	17.7	17.8	18.6	22.1	24.4	26.8	27.6	24.9
V_{max}	47.1	40.9	34.3	32.2	26.1	26.0	26.8	26.3	39.3	37.9	43.4	44.1	47.1
u_{q99}	27.2	24.3	22.7	17.5	14.7	15.7	15.7	16.9	19.4	22.5	25.0	25.5	22.7
u	5.0	2.9	2.3	0.2	-0.5	1.1	2.0	2.1	3.2	4.1	4.5	5.6	2.7
u_{q01}	-13.5	-14.6	-14.2	-14.2	-14.1	-11.9	-11.4	-10.9	-11.6	-12.4	-13.7	-13.2	-13.2
v_{q99}	19.9	20.0	18.4	16.3	13.9	13.0	12.5	13.2	16.1	18.5	19.1	20.2	17.6
v	0.9	0.7	0.7	0.1	0.2	-0.5	-0.4	0.2	0.4	1.4	1.7	1.0	0.5
v_{q01}	-16.7	-16.4	-14.9	-14.2	-11.2	-11.3	-10.1	-10.4	-12.5	-13.3	-15.9	-15.6	-14.0
η	0.45	0.29	0.24	0.03	0.08	0.18	0.29	0.30	0.38	0.45	0.45	0.51	0.31

Tak jak miało to miejsce w przypadku modułu wektora wiatru geostroficznego prze-

cięte wartości jego składowych w Północnej Polsce są odmienne od tych notowanych dla obszaru całego kraju. Anomalia (różnica między wartościami w Polsce Północnej a całym krajem) w przypadku składowej równoleżnikowej wynosi aż $0,9 \text{ ms}^{-1}$, co wskazuje na większą intensywność przepływu zachodniego na północy kraju. Polska Północna odznacza się również mniejszą o $0,2 \text{ ms}^{-1}$ wartością składowej południkowej jednak w tym wypadku różnica nie jest znaczna.

Średni przepływ strefowy (u) w Polsce Północnej wynosi $2,7 \text{ ms}^{-1}$, wskazując na wyraźną przewagę przepływu zachodniego (62% przypadków w skali roku). Wartości 50% średnich przypadków u mieszczą się między $-2,6 \text{ ms}^{-1}$ a $7,5 \text{ ms}^{-1}$ (z rozstępem międzykwartylowym wynoszącym $10,1 \text{ ms}^{-1}$). W przypadku składowej południkowej (v) w skali roku nie zarysowuje się aż tak wyraźna dominacja któregośkolwiek z kierunków i pomimo faktu, że średnia wartość roczna wynosi $0,5 \text{ ms}^{-1}$, wartości dodatnie, świadczące o adwekcji z południa, stanowią niemalże dokładnie połowę przypadków (49,6%), a mediana v wynosi $-0,1 \text{ ms}^{-1}$. 50% średnich przypadków mieści się między $-3,9 \text{ ms}^{-1}$ a $4,6 \text{ ms}^{-1}$ (rozstęp międzykwartylowy osiąga wartość $8,5 \text{ ms}^{-1}$). Wynikający z wartości średnich u oraz v przecienny roczny kierunek przepływu to W (260 stopni). Ogólny (dla całej próby) współczynnik stabilności przepływu (η) wynosi 0,31 i jest zaledwie o 0,04 wyższy od wartości dla Polski, co wskazuje na dużą zgodność z obszarem kraju.

Tab. 2.2. Anomalie wybranych charakterystyk wiatru geostroficznego w Polsce północnej względem obszaru Polski (Marosz 2016) 1951-2014

Zmienna	1	2	3	4	5	6	7	8	9	10	11	12	ROK
V	1.4	1.4	1.3	1.4	1.5	1.7	1.6	1.9	2.1	1.9	1.4	1.5	1.6
V_{q99}	4.5	4.0	3.9	3.9	4.4	4.1	4.4	5.1	5.2	4.6	4.2	3.1	3.9
V_{max}	11.1	3.3	5.5	6.8	5.2	8.0	3.7	2.4	13.9	6.9	10.9	9.7	9.5
u_{q99}	4.0	2.9	3.4	3.3	4.1	4.6	4.1	5.4	4.4	4.6	3.2	2.6	3.4
u	0.2	0.0	0.7	0.6	0.6	1.2	1.2	1.5	1.5	1.5	0.6	0.5	0.9
u_{q01}	-1.5	-2.1	-0.2	-1.2	-2.6	-1.5	-1.3	-1.8	-1.3	-0.8	-1.8	-1.2	-1.3
v_{q99}	3.7	4.6	4.0	4.1	4.8	5.5	5.2	4.6	4.8	3.3	3.1	5.3	3.7
v	-0.6	-0.6	-0.5	-0.3	0.3	0.6	0.6	0.2	0.0	-0.3	-0.5	-0.6	-0.2
v_{q01}	-2.7	-3.2	-1.9	-2.3	-1.6	-1.3	-0.9	-1.5	-1.4	-1.5	-2.5	-2.6	-2.1
η	-0.06	-0.06	0.02	-0.07	-0.12	-0.04	0.05	0.17	0.11	0.06	-0.03	-0.05	0.04

Zarówno w odniesieniu do modułu wektora prędkości (V) jak i samych składowych zaznacza się wyraźny cykl roczny (Tab. 2.1, Ryc. 2.3). Średnie miesięczne prędkości wiatru geostroficznego wahają się od $6,9 \text{ ms}^{-1}$ (w czerwcu) do $11,3 \text{ ms}^{-1}$ (w styczniu). Generalnie, od listopada do lutego średnia miesięczna wartość V przekracza 10 ms^{-1} . Zróżnicowanie miesięczne jest również wyraźnie widoczne w rozkładach empirycznych V (Ryc. 2.3), gdzie zaznacza się znaczne spłaszczenie rozkładów w miesiącach chłodnej pory roku z wyraźnie zwiększonimi wartościami kwantylami charakteryzującymi ekstremalne wartości wiatru (99%, 99,9%). Od maja do sierpnia zauważalne jest natomiast wyraźne zmniejszenie dyspersji rozkładów empirycznych.

Wartości V_{q99} od września do kwietnia przekraczają 20 ms^{-1} , a w przypadku grudnia,

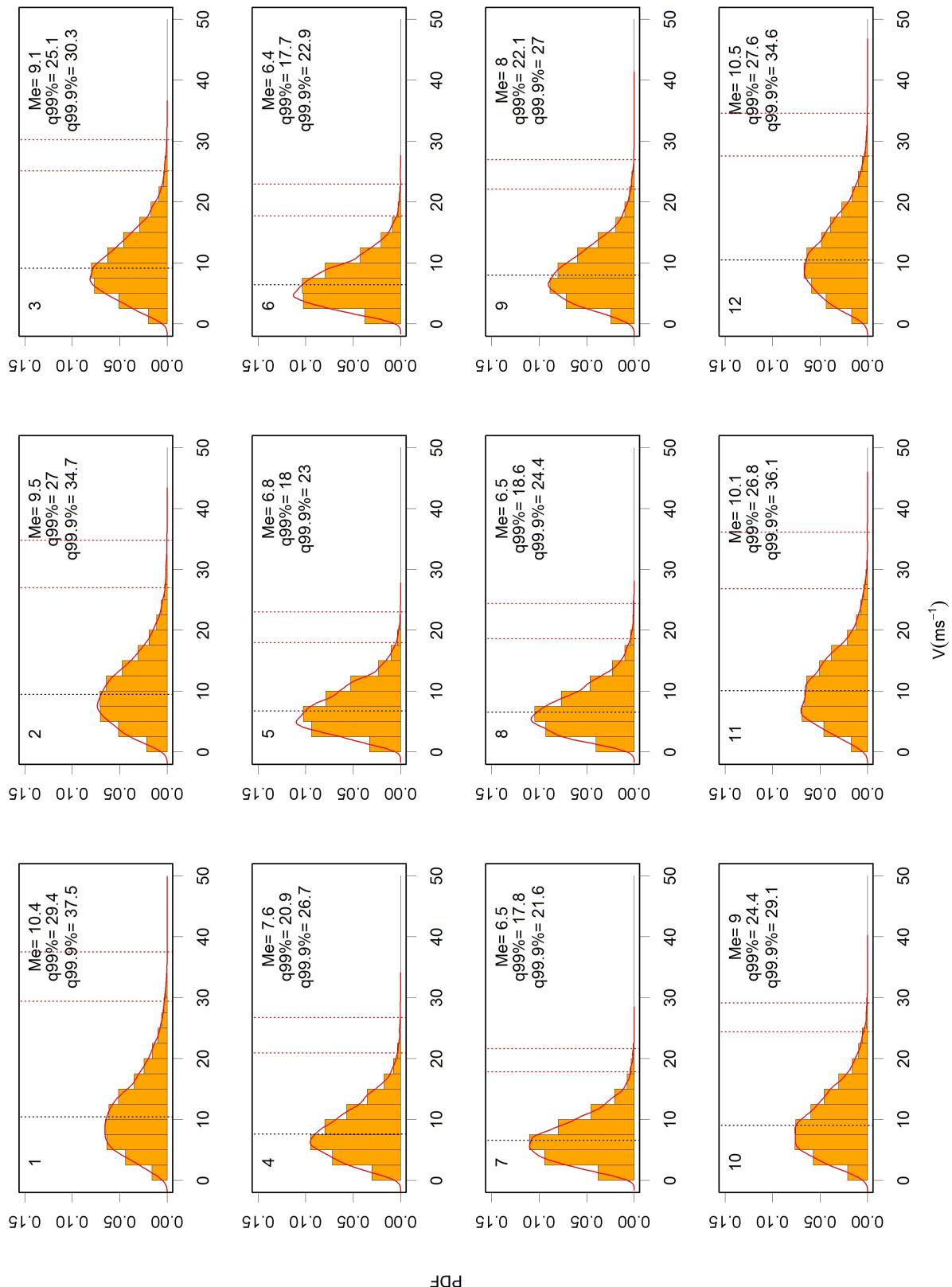
stycznia i lutego są one zbliżone do $30\ ms^{-1}$ (odpowiednio: $27,6$, $29,4$ oraz $27,0\ ms^{-1}$). W porównaniu z wartościami prędkości przepływu geostroficznego dla Polski (Tab. 2.2) we wszystkich miesiącach zaznacza się wyraźna “przewaga” obszaru Północnej Polski. Anomalie w każdym z miesięcy przekraczają $+1\ ms^{-1}$, a w przypadku sierpnia, września i października zbliżają się do, lub przekraczają $+2\ ms^{-1}$ (odpowiednio: $+1,9$, $+2,1$ oraz $+1,9\ ms^{-1}$).

W skali całego roku anomalie wartości ekstremalnych V jeszcze wyraźniej wykazują znaczną odmiennosć tego obszaru pod względem prędkości przepływu. Dla całego zbioru danych anomalia V_{q99} wynosi $+3,9\ ms^{-1}$, a w skali poszczególnych miesiące wartości te przekraczają niekiedy $5\ ms^{-1}$ (sierpień, wrzesień). Najniższe anomalie zaznaczają się w grudniu ($+3,1\ ms^{-1}$).

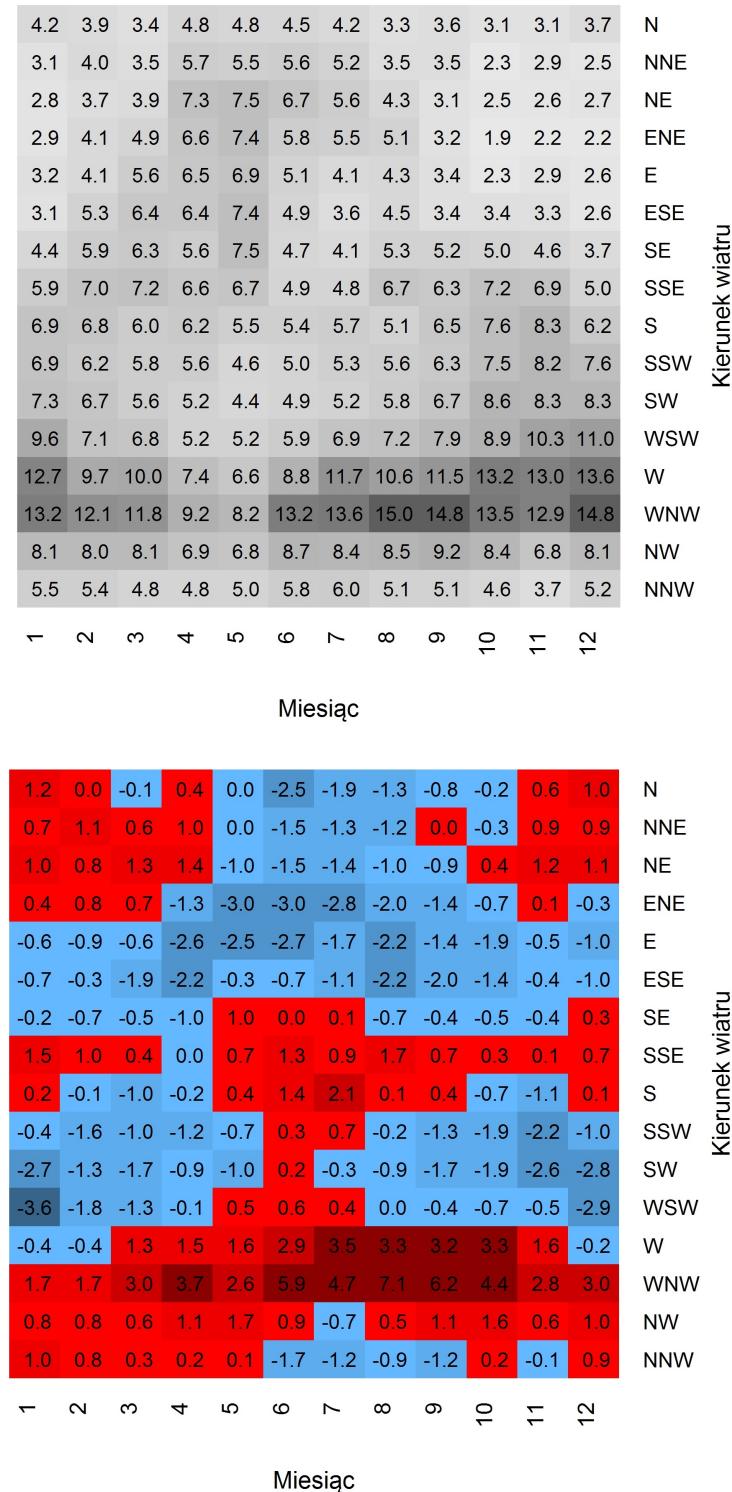
Cykl roczny zaznacza się również w przypadku składowej równoleżnikowej. Jej wartości wahają się od $5,6\ ms^{-1}$ w grudniu do $-0,5\ ms^{-1}$ w maju. Uogólniając, chłodna para roku to wyraźna dominacja przepływu zachodniego, natomiast począwszy od kwietnia zaznacza się znaczne osłabienie intensywności spływu zachodniego. W kwietniu wartość średnia u znacznie spada (o $2,1\ ms^{-1}$) w porównaniu z marcem i osiąga wartości $0,2\ ms^{-1}$. Maj jest jedynym miesiącem w skali roku, kiedy to średnia wartość u jest ujemna co świadczy o nieznacznej dominacji przepływu z sektora wschodniego. W kolejnych miesiącach letnich wartości średnie u nieco wzrastają (do ok. $2ms^{-1}$ w lipcu i sierpniu), osiągając $3,2\ ms^{-1}$ we wrześniu. Jesienią zaznacza się powrót do sytuacji z chłodnej pory roku, a średnie miesięczne wartości u przekraczają w październiku i listopadzie $4\ ms^{-1}$. W grudniu u osiąga wartości najwyższe w cyklu rocznym ($5,6\ ms^{-1}$).

Jak już nadmieniono przeciętna wartość przepływu południkowego (v) nad Północną Polską wynosi $0,5\ ms^{-1}$ i tak jak miało to miejsce w przypadku składowej u również składowa v wykazuje wyraźny cykl roczny. Amplituda wartości nie jest tak znaczna jak miało to miejsce w przypadku składowej równoleżnikowej, a wartości v wahają się między $-0,5\ ms^{-1}$ (lipiec) a $1,7\ ms^{-1}$ (listopad). Generalnie zauważać należy, że chłodna para roku charakteryzuje się wyraźnie dodatnimi wartościami zbliżonymi lub przekraczającymi $1\ ms^{-1}$ (październik - marzec), natomiast miesiące od kwietnia do września to z reguły wartości niewielkie między $-0,5\ ms^{-1}$ w czerwcu a $0,4\ ms^{-1}$ we wrześniu.

Przeciętne wartości współczynnika stabilności kierunku wiatru wahają się od $0,03$ (kwiecień) do $0,51$ (grudzień). Ponownie zaznacza się się wyraźny cykl roczny przy czym charakterystyczny jest szybki spadek wartości na początku roku (od $0,45$ w styczniu do $0,08$ w kwietniu), a następnie ich stopniowy powrót do wyższych wartości przekraczających $0,40$ (październik - styczeń). W porównaniu do obszaru całego kraju wartości η wykazują największe różnice w miesiącach letnich, kiedy to w Polsce Północnej są nawet o $0,17$ (sierpień) wyższe, wskazując na wyraźnie większą stabilność przepływu powietrza w tej porze roku. Ujemne anomalie zaznaczają się wiosną (- $0,12$ w maju oraz w chłodnej porze roku z wartościami od $-0,06$ (styczeń, luty) do $-0,03$ (październik)).



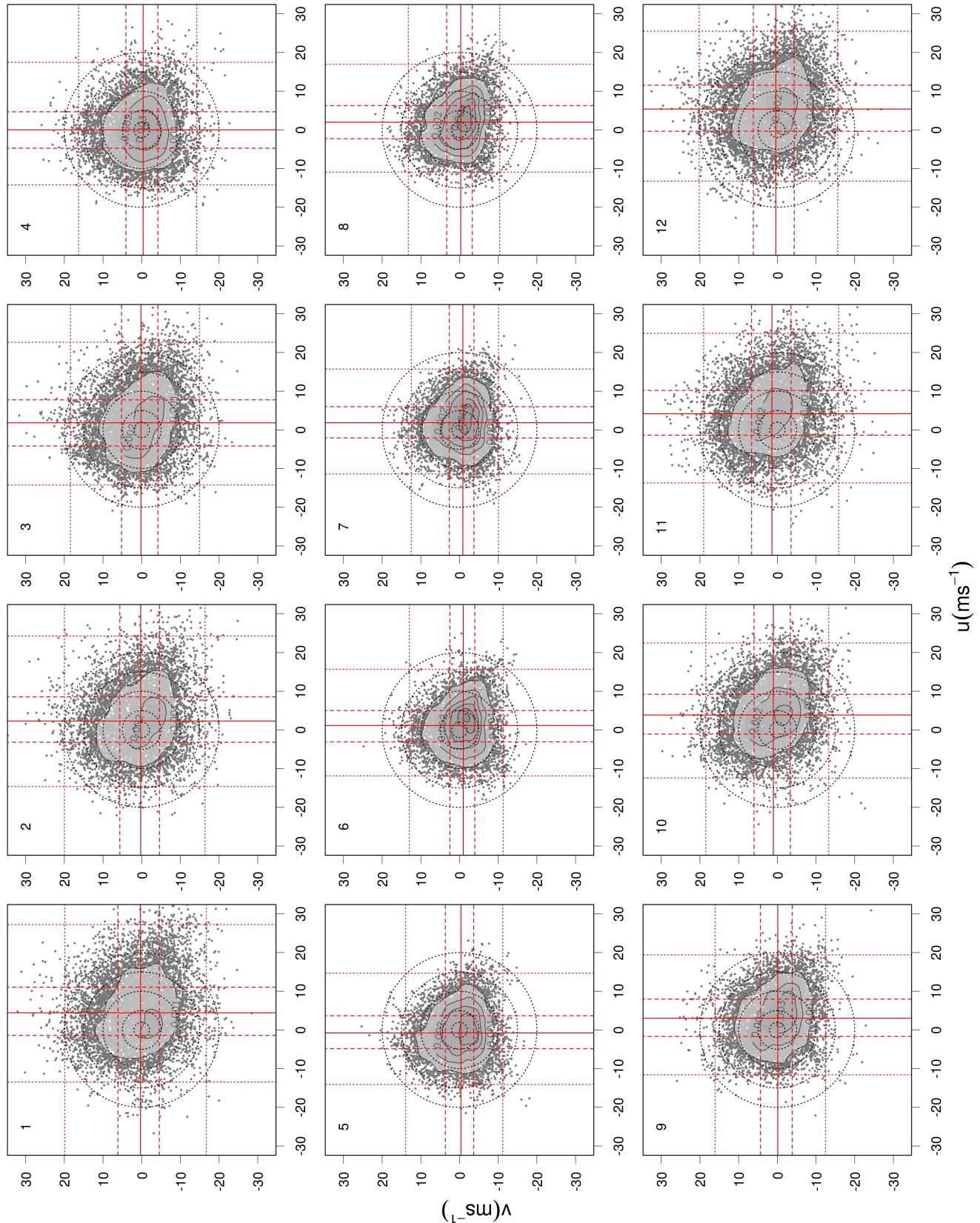
Ryc. 2.3. Rozkład empiryczny prędkości wiatru geostroficznego (V) nad Polską Północną w poszczególnych miesiącach 1951-2015. Linia czerwona - gęstość prawdopodobieństwa (*kernel density estimator*), linia czarna kropkowana - mediana (Me), linie czerwone kropkowane - kwantyle: 99% (q99%) oraz 99,9% (q99.9%)



Ryc. 2.4. Struktura kierunkowa (%) wiatru geostroficznego nad Polską Północną 1951-2015 (górnny panel), anomalie (%) struktury kierunkowej wiatru geostroficznego w Polsce Północnej względem reszty kraju 1951-2014 (dolny panel)

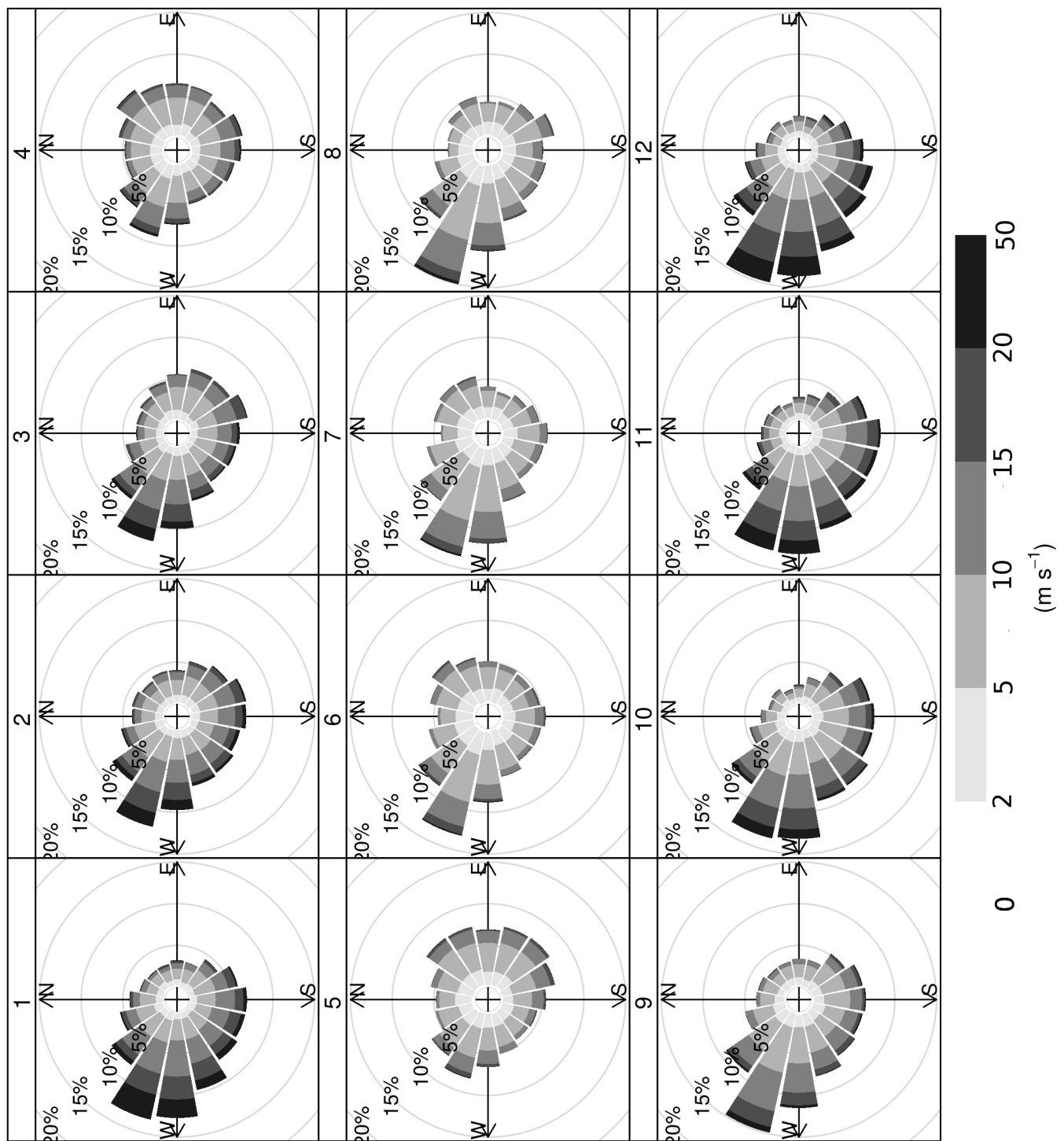
Ryciny: 2.4, 2.5 oraz 2.6 wskazują na wyraźny cykl roczny w przebiegu struktury kierunkowej i kierunkowo-prędkościowej wiatru geostroficznego nad Polską Północną. W zasadzie niemalże przez cały rok (z wyłączeniem kwietnia i maja) zaznacza się dominacja adwekcji z sektora zachodniego. Najwyraźniej widoczne jest to w chłodnej porze roku z udziałem kierunków z tego sektora (łącznie WSW, W, WNW) przekraczającymi 35%, a w przypadku zakresu kierunków od SW do NW 50% przypadków. Koncentracja ta zaznacza się w chłodnej porze roku jak również latem (lipiec-wrzesień). Zanika natomiast wiosna, kiedy to panuje względna równowaga między adwekcją z zachodu i ze wschodu z udziałem kierunków oscylującym w okolicach 6%. Znajduje to swoje odzwierciedlenie w przebiegu wartości η , które w sezonie wiosennym osiągają najwyższe wartości w cyklu rocznym. Podkreślić jednak należy, że wiosenny spadek udziału kierunków z sektora zachodniego i towarzyszący mu wzrost adwekcji ze wschodu nie jest tak wyraźny jak ma to miejsce w przypadku całego kraju.

Porównując strukturę kierunkową wiatru geostroficznego w Polsce Północnej z całym krajem (Ryc. 2.4) zaznaczają się wyraźne (ponad +6%) anomalie adwekcji z sektora zachodniego, co wskazuje na wyraźną odrębność tego obszaru. Dodatnie anomalie dla tego sektora obecne są przez cały rok i jedynie w sezonie zimowym ich wartości zmniejszają się do poniżej 1% co wskazuje z kolei na zgodność struktury kierunkowej na większym obszarze. Od kwietnia do września zaznaczają się ujemne przekraczające -2% anomalie dla sektorów od ENE do ESE nawiązując do stosunkowo niewielkiego wzrostu udziału kierunków z sektora wschodniego wiosną.



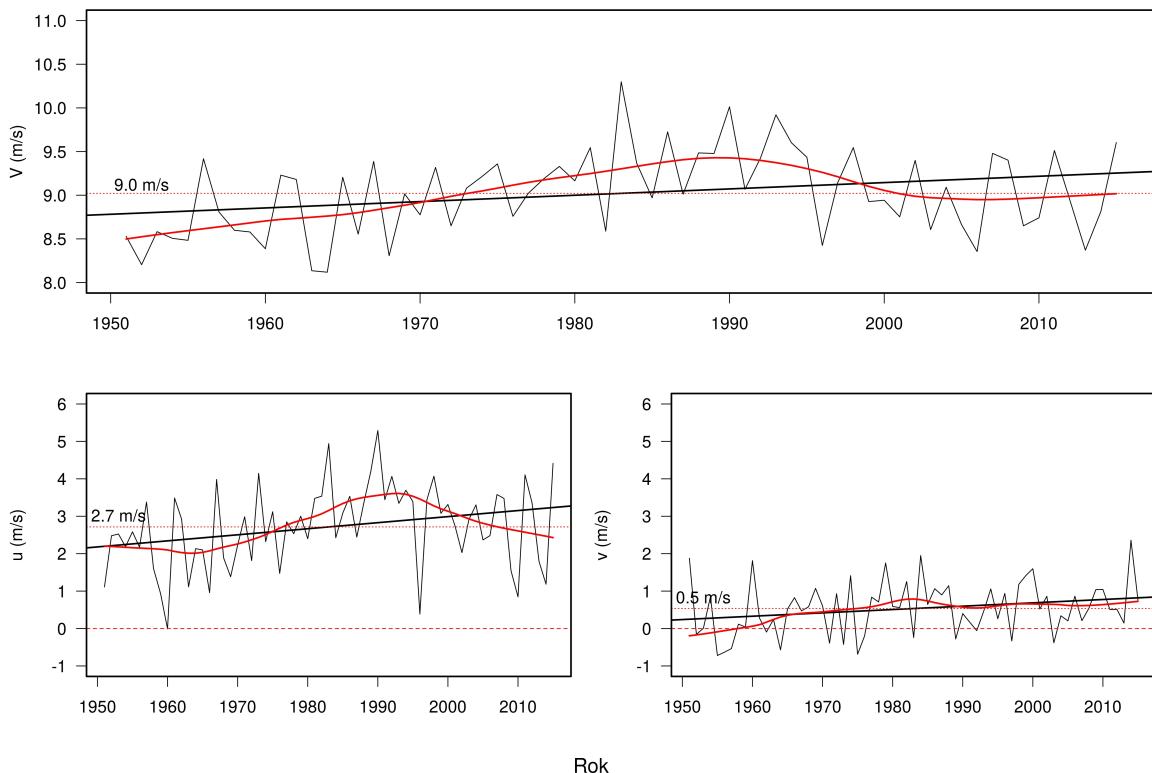
Ryc. 2.5. Wykres rozrzutu składowych wiatru geostroficznego (u , v) w poszczególnych miesiącach nad Polską Północną wraz z podstawowymi charakterystykami, średnia - linia ciągła, kwantyle: 25% oraz 75% - linia kreskowana, kwantyle 1% oraz 99% - linia kropkowana, izolinie - gęstość prawdopodobieństwa

1951-2015



Ryc. 2.6. Miesięczne róże wiatru geostroficznego 1951-2015

2.2 Zmienność czasowa



Ryc. 2.7. Przebieg średnich rocznych wartości V , u , v (ms^{-1}) wiatru geostroficznego w Polsce Północnej, 1951-2015

linia czarna pogrubiona - trend liniowy, linia pogrubiona czerwona - wygładzenie z wykorzystaniem filtru wielomianowego, linia przerywana czerwona - wartości średnie wieloletnie, linia przerywana czerwona - wartość $0 ms^{-1}$ w przypadku składowych u i v

Zmienność wieloletnia prędkości wiatru geostroficznego (V) nad Polską Północną wskazuje na znaczne międzyroczne wahania z najniższymi wartościami (1951, 1963, 1964, 2013) niewiele przekraczającymi $8.0 ms^{-1}$, a najwyższymi średnimi rocznymi przekraczającymi $10 ms^{-1}$ (1984). W pierwszej części okresu badawczego wyraźnie zaznacza się dodatnia tendencja V , a średnie roczne wartości osiągały najwyższe wartości w latach 80 i na początku lat 90-tych, kiedy to przekraczały lub zbliżały się do $10 ms^{-1}$. W drugiej połowie lat 90-tych oraz na początku XXI wieku zaznacza się wyraźny spadek średnich rocznych wartości V który zdaje się wyhamowywać wraz z początkiem drugiej dekady obecnego stulecia, czemu towarzyszą znaczne wahania międzyroczne.

W przypadku składowej u zmienność średnich rocznych wartości jest znaczna, a wartości średnie roczne wahają się od nieco poniżej $0 ms^{-1}$ (1960), co wskazuje niemalże na równowagę między przepływem wschodnim a zachodnim, do ponad $5 ms^{-1}$ (1990). Bardzo niskie wartości u zanotowano również w roku 1996 ($0.4 ms^{-1}$) jak też na początku XXI wieku (2011 - $1.1 ms^{-1}$, 2015 - $1.4 ms^{-1}$). W przebiegu wartości składowej u zaznacza

się wyraźny trend dodatni, jednak należy stwierdzić, że ostatnie dwadzieścia lat charakteryzuje się ujemnym trendem. Zmienność składowej południkowej jest o wiele mniejsza niż ma to miejsce w przypadku składowej równoleżnikowej. Dodatkowo w tym przypadku tendencje dla podokresów analizy nie zaznaczają się aż tak wyraźnie. Zakres zmienności zawiera się między $-0,7 \text{ ms}^{-1}$ (1955) a $2,4 \text{ ms}^{-1}$ (2015).

Tab. 2.3. Wartości współczynników trendu ($\text{ms}^{-1}/10\text{lat}$) dla średnich miesięcznych oraz rocznych wybranych charakterystyk statystycznych modułu oraz składowych wektora wiatru geostroficznego oraz η ($/100\text{lat}$) nad Północną Polską 1951-2015. Współczynniki istotne statystycznie (test Mann'a-Kendall'a) zostały wyróżnione.

Zmienna	1	2	3	4	5	6	7	8	9	10	11	12	ROK
V	0.24	0.28	0.06	0.00	-0.02	0.08	-0.04	0.00	0.09	0.12	-0.02	0.08	0.07
V_{q90}	0.36	0.37	0.17	-0.06	-0.01	0.13	-0.03	-0.05	0.05	0.13	-0.11	0.16	0.12
u_{q10}	0.25	0.42	-0.04	0.09	0.22	0.49	0.23	0.08	-0.30	-0.09	0.25	0.35	0.14
u	0.21	0.44	0.36	0.08	0.28	0.45	0.02	0.00	-0.24	0.02	0.15	0.19	0.16
u_{q90}	0.24	0.51	0.46	0.08	0.24	0.37	-0.09	-0.04	-0.10	0.20	-0.07	0.04	0.22
v_{q10}	-0.09	0.03	-0.14	0.05	0.16	-0.08	0.16	0.15	0.14	0.25	0.14	0.07	0.06
v	0.03	0.06	-0.12	-0.01	0.17	0.02	0.13	0.18	0.18	0.29	0.06	0.08	0.09
v_{q90}	0.09	0.06	-0.10	-0.07	0.30	0.23	0.14	0.11	0.29	0.44	-0.16	0.10	0.13
η	0.12	0.14	0.04	0.00	-0.15	0.20	0.02	0.07	-0.09	-0.05	0.24	0.02	0.15

Analiza zmienności czasowej oparta o współczynniki trendu liniowego (wraz z procedurą testowania nieparametrycznym testem Mann-Kendall'a) pozwala na zweryfikowanie hipotezy o istnieniu istotnie statystycznych tendencji w przebiegu charakterystyk wektora wiatru geostroficznego. W przypadku średniej rocznej prędkości wiatru geostroficznego (Tab. 2.3, Ryc. 2.7) notuje się dodatni trend (istotny statystycznie) na poziomie $0,07 \text{ ms}^{-1}/10\text{lat}$. Dla składowych (u i v) wartości wynoszą odpowiednio $0,16 \text{ ms}^{-1}/10\text{lat}$ (istotny statystycznie) oraz $0,09 \text{ ms}^{-1}/10\text{lat}$ (Ryc. 2.7), który w tym przypadku ma jedynie charakter tendencji (jest nieistotny statystycznie).

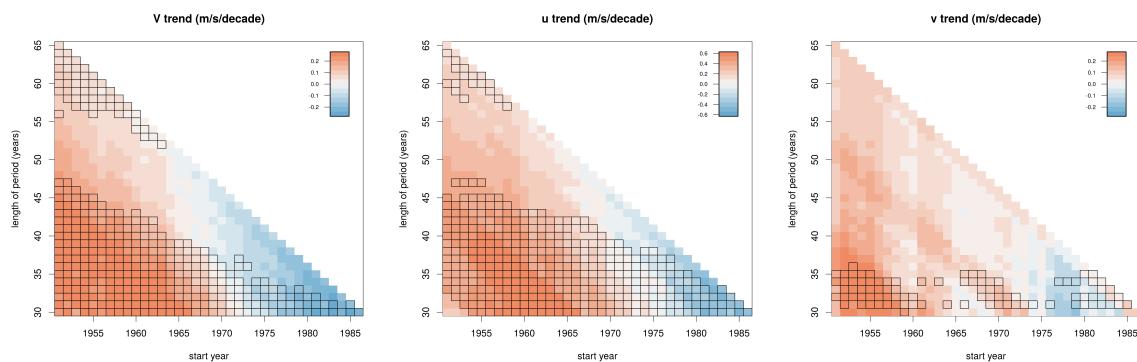
Analiza trendu dla wartości ekstremalnych prędkości wiatru (kwantyl 90%) nie wykazała statystycznie istotnych trendów, a zanotowana dodatnia tendencja wynosi $0,12 \text{ ms}^{-1}/10\text{lat}$. W przypadku składowych wiatru geostroficznego zmienność wartości ekstremalnych wykazuje istotne statystycznie tendencje w przypadku kwantyla 90% składowej u ($0,22 \text{ ms}^{-1}/10\text{lat}$), co wskazuje na zwiększącą się intensywność przepływu zachodniego szczególnie w zakresie wysokich, dodatnich wartości tej składowej.

Podobna sytuacja zaznacza się w przypadku składowej południkowej, gdzie te wartości kwantyla 90% wykazują istotną statystycznie dodatnią tendencję ($0,13 \text{ ms}^{-1}/10\text{lat}$). Ogólnie należy podkreślić, że taki obraz zmienności czasowej wskazuje na zwiększenie się zakresu zmienności notowanych wartości, szczególnie zaznaczający się dla górnych kwantylów. W cyklu rocznym (Tab. 2.3) przebiegu współczynników kierunkowych trendu V , wyraźnie zaznaczają się dodatnie wartości współczynników w styczniu i lutym (odpowiednio $0,24 \text{ ms}^{-1}/10\text{lat}$ oraz $0,28 \text{ ms}^{-1}/10\text{lat}$) przy czym jedynie w lutym trend jest istotny statystycznie. W pozostałych miesiącach wartości wahają się między $-0,04 \text{ ms}^{-1}/10\text{lat}$

(lipiec), a $0,12 \text{ ms}^{-1}/10\text{lat}$ (październik) i maja jedynie charakter tendencji. Podobna sytuacja rysuje się dla V_{q90} z najwyższymi wartościami w styczniu i lutym (odpowiednio $0,36 \text{ ms}^{-1}/10\text{lat}$ oraz $0,37 \text{ ms}^{-1}/10\text{lat}$). Nieznacznie ujemne wartości charakterystyczne są dla wiosny (kwiecień, maj) oraz lata (lipiec, sierpień). Najniższe wartości zanotowano w listopadzie ($-0,11 \text{ ms}^{-1}/10\text{lat}$). W żadnym z miesięcy zmiany nie mają charakteru trendu.

W przypadku analizy trendu miesięcznych wartości składowej u w cyklu rocznym istotnie statystycznie trendy notuje się jedynie w czerwcu ($0,45 \text{ ms}^{-1}/10\text{lat}$). Wysokie wartości współczynników notowane są również w lutym ($0,44 \text{ ms}^{-1}/10\text{lat}$) oraz marcu ($0,36 \text{ ms}^{-1}/10\text{lat}$). Ujemna tendencja zaznacza się jedynie we wrześniu ($-0,24 \text{ ms}^{-1}/10\text{lat}$). Dla u_{q10} oraz u_{q90} podobnie jedynie w czerwcu zaznacza się dodatni trend z wartościami $0,49 \text{ ms}^{-1}/10\text{lat}$ (u_{q10}) oraz $0,37 \text{ ms}^{-1}/10\text{lat}$ (u_{q90}). Wartości najwyższe, jednakże nieistotne statystycznie, występują w lutym i marcu (odpowiednio $0,51 \text{ ms}^{-1}/10\text{lat}$ oraz $0,46 \text{ ms}^{-1}/10\text{lat}$) natomiast negatywne tendencje zaznaczają się najsielniej we wrześniu ($-0,10 \text{ ms}^{-1}/10\text{lat}$).

Składowa południkowa (v) w cyklu rocznym jedynie w trzech miesiącach (maj, lipiec, październik) wykazuje istotnie statystycznie tendencje z wartościami współczynników kierunkowych trendu na poziomie (odpowiednio: $0,17 \text{ ms}^{-1}/10\text{lat}$, $0,13 \text{ ms}^{-1}/10\text{lat}$ oraz $0,29 \text{ ms}^{-1}/10\text{lat}$). W pozostałych miesiącach dominują dodatnie tendencje, a jedynie w marcu i kwietniu zaznaczają się tendencje negatywne. Wartości ekstremalne składowej południkowej wektora wiatru geostroficznego w zakresie v_{q10} w cyklu rocznym nie wykazują istnienia statystycznie istotnych trendów, a wartości tendencji wahają się od $-0,14 \text{ ms}^{-1}/10\text{lat}$ w marcu do $0,25 \text{ ms}^{-1}/10\text{lat}$ w październiku. Zmienność czasowa ekstremalnie wysokich wartości v (v_{q90}) wskazuje na istnienie statystycznie istotnych tendencji w maju ($0,30 \text{ ms}^{-1}/10\text{lat}$) oraz w październiku ($0,44 \text{ ms}^{-1}/10\text{lat}$). Ujemne tendencje notowane są w lutym, kwietniu i listopadzie (odpowiednio: $-0,10 \text{ ms}^{-1}/10\text{lat}$, $-0,07 \text{ ms}^{-1}/10\text{lat}$ oraz $-0,16 \text{ ms}^{-1}/10\text{lat}$).



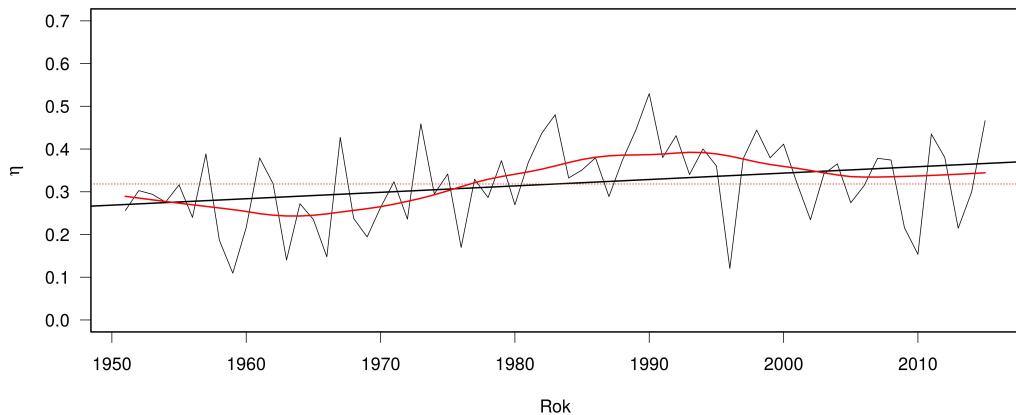
Ryc. 2.8. Współczynniki trendu w zależności od długości analizowanego okresu dla przebiegów średnich rocznych wartości modułu (V) oraz składowych (u , v) wiatru geostroficznego nad Polską Północną, 1951-2015
Oznaczono trendy istotne statystycznie

Analiza wartości współczynników kierunkowych równania trendu dla całego okresu (1951-2015) znacznie upraszcza obraz zmienności analizowanych charakterystyk. Staje się on bardziej złożony, kiedy analizie trendu podda się krótsze okresy (co najmniej 30-letnie). W przypadku modułu wektora wiatru geostroficznego (V) w Polsce Północnej wyraźną odrębnoścą charakteryzuje się początkowy okres analizy (Ryc. 2.8). Okresy o długości do 35-45 lat, rozpoczynające się do mniej więcej do połowy lat 70-tych charakteryzowały silne, dodatnie i istotne statystycznie trendy. Dodatni kierunek zmian jest również charakterystyczny dla najdłuższych serii. Jednakże dla okresów rozpoczynających się w latach 80-tych (i trwających do drugiej dekady XXI wieku) charakterystyczne są ujemne, istotne statystycznie tendencje, co jednoznacznie wskazuje na zmniejszenie przeciętnej intensywności przepływu powietrza w ostatnim okresie.

Bardzo podobnie kształtuje się rozkład współczynników kierunkowych trendu w przypadku składowej u . Również w tym przypadku analizując długie serie przeważają dodatnie (istotne statystycznie) współczynniki kierunkowe, jednak obraz ten jest charakterystyczny jedynie dla najdłuższych serii. Początkowy okres analizy zdominowany jest przez wyraźnie zaznaczone dodatnie trendy z najwyższymi wartościami współczynników kierunkowych dla około 35-40-letnich okresów rozpoczynających się w latach 50-tych i 60-tych. Począwszy od lat 80-tych następuje zmiana kierunku tendencji na ujemną, a notowane trendy również są istotne statystycznie. Jest to zgodne z obserwowanymi prawidłowościami odnośnie zmienności przepływu strefowego nad Europą gdzie, począwszy od lat 60-tych notowano wyraźny wzrost intensywności spływu zachodniego, z maksymalnym natężeniem w latach 80-tych i 90-tych, natomiast w ostatnim okresie obserwowane jest raczej odwrócenie tej tendencji, która dodatkowo charakteryzuje się znacznymi wahaniemiami międzyrocznymi (Ryc. 2.7), powodując, że określenie jednoznacznego kierunku zmian w systemie przepływu powietrza nad obszarem badań jest utrudnione.

W przypadku składowej południkowej (v) występowanie statystycznie istotnych trendów ograniczone jest do stosunkowo krótkiego okresu czasu. W początkowym okresie analizy dominowały stosunkowo krótkie (30-35 lat) serie rozpoczynające się w latach 50-tych z dodatkimi trendami. Jednak w miarę przesuwania momentu startu analizy tendencje te znikały, aby w latach 80 zmienić się na ujemne. W porównaniu ze składową u oraz modułem wektora wiatru geostroficznego (V) ujemne tendencje nie są aż tak wyraźnie zarysowane.

Współczynnik η (jego wartości roczne) charakteryzuje się znacznymi wahaniemiami międzyrocznymi w całym analizowanym okresie (Ryc. 2.9). W początkowym okresie analizy (1951-1970) zauważalny jest względnie stabilny poziom średni, jednak amplituda wahań jest znaczna (od 0,1 do ponad 0,4). W kolejnym okresie wyraźnie zaznacza się dodatni kierunek zmian, a maksymalne wartości w latach 80-tych i 90-tych są zbliżone do, lub przekraczają 0,5 (1990 - 0,52, 1983 - 0,48). Wartość z roku 1990 jest jednocześnie najwyższą w całym analizowanym okresie. Począwszy od roku 1990 można zauważać stopniowe



Ryc. 2.9. Przebieg średnich rocznych wartości η wiatru geostroficznego w Polsce Północnej, 1951-2015

linia czarna pogrubiona - trend liniowy, linia pogrubiona czerwona - wygładzenie z wykorzystaniem filtra wielomianowego, linia kropkowana czerwona - wartości średnie wieloletnie

zmnieszanie wartości η , a tendencja ta utrzymywała się aż do końca pierwszej dekady XXI wieku, kiedy to po okresie względnej stabilizacji w pierwszej dekadzie XXI wieku zaznacza się znaczne zwiększenie zmienności międzyrocznej. Najniższe roczne wartości η zanotowano w 1996 (0,12) oraz 2010 roku (0,15).

Analiza zmienności wieloletniej rocznych wartości współczynnika stabilności kierunku wiatru (η) wykazała istnienie trendu, a współczynnik kierunkowy równania trendu wynosi $0,15/100\text{lat}$. W skali całego analizowanego wieku oznacza to wzrost wartości η o $0,097$. W cyklu rocznym dla większości miesięcy notuje się dodatnie wartości współczynników równania trendu liniowego, jednak z wyjątkiem listopada ($0,24/100\text{lat}$) (Tab. 2.3) maja one jedynie charakter tendencji. Poza listopadem, najwyższe wartości zaznaczają się w czerwcu ($0,20/100\text{lat}$) oraz lutym i styczniu z wartościami przekraczającymi $0,10/100\text{lat}$ (odpowiednio: $0,14/100\text{lat}$ oraz $0,12/100\text{lat}$). Ujemne tendencje η notuje się w maju ($-0,15/100\text{lat}$) oraz we wrześniu i październiku (odpowiednio: $-0,09/100\text{lat}$ oraz $-0,05/100\text{lat}$)

Rozdział 3

Podsumowanie

Przeprowadzone analizy pozwalają na potwierdzenie stosowności wektora wiatru geostroficznego jako obiektywnej miary kierunku i intensywności przepływu powietrza. Możliwości swobodnego dostosowania rozmiaru trójkąta interpolacyjnego (a poprzez to stopnia przestrzennej generalizacji analizowanego przepływu) pozwala na elastyczny i świadomy wybór obszaru analizy. Atutem jest również łatwość pozyskania danych oraz znikomy koszt obliczeniowy. Dodatkowo, jako miara cech przepływu powietrza wektor wiatru geostroficznego ma solidne podstawy teoretyczne, a jego zastosowanie we wspomnianych we wstępie analizach klimatologicznych (obejmujące z konieczności jedynie wybrane przykłady) potwierdza szerokie możliwości jego zastosowania.

Nie bez znaczenia jest również możliwość opracowania i analizy jednorodnych serii danych - niezbędnych w analizach klimatologicznych - ze względu na możliwość poprawnej estymacji parametrów opisujących zarówno podstawowe cechy przepływu powietrza jak również ich wieloletnią zmienność.

Niewątpliwie, w przypadku wiatru geostroficznego pewnym problemem jest nieuwzględnianie szorstkości podłoża nad którym odbywa się przepływ (założenie braku tarcia w modelu przepływu geostroficznego). Dla analiz przedstawionych w niniejszej monografii, dotyczącej Polski Północnej wektor wiatru geostroficznego jest „zaczepiony” kilkanaście kilometrów na północ od Przylądka Rozewie, tak więc nad powierzchnią wodną, która charakteryzuje się najniższym z możliwych parametrów szorstkości. W razie konieczności odniesienia się do przepływu powietrza nad obszarem lądowym istnieje możliwość wykorzystania stosunkowo prostych (np. założenia o logarytmicznym profilu prędkości wiatru) lub bardziej zaawansowanych narzędzi modelowania przepływu powietrza jak WASP (www.wasp.dk) czy też regionalnych modeli klimatu np.: RegCM4 (www.ictp.it) lub WRF (www.wrf-model.org). Jakkolwiek, podkreślić należy, że modelowanie dynamiczne nastrepuje sporo problemów technicznych i jest ekstremalnie kosztowne z obliczeniowego punktu widzenia.

Analiza charakterystycznych cech przepływu powietrza nad Polską Północną wyraź-

nie wskazuje na odrębność tego regionu względem wartości przeciętych obliczonych dla kraju (Marosz 2016). Średnia roczna prędkość geostroficznego przepływu powietrza nad Północną Polską wynosi $9,0 \text{ ms}^{-1}$ i jest o $1,6 \text{ ms}^{-1}$ wyższa od wartości obliczonej dla całego kraju.

Wartość ekstremalna (o prawdopodobieństwie przekroczenia 0,1% - występująca przeciętnie przy rozdrobnieniu czasowej danych wynoszącej 6h - raz na 8,2 miesiąca) wynosi $32,0 \text{ ms}^{-1}$, a maksymalna wartość V wyniosła $47,1 \text{ ms}^{-1}$ (2005-01-09 00:00 UTC) i była związana z głębokim (961 hPa w centrum) układem niskiego ciśnienia obejmującym swoim zasięgiem cały basen Morza Bałtyckiego z centrum zlokalizowanym w południowej części Zatoki Botnickiej.

Najwyższe średnie miesięczne wartości V notowane są w Polsce Północnej w chłodnej porze roku i przekraczają 10 ms^{-1} . W przypadku tej charakterystyki uprzywilejowanie północnej części kraju zaznacza się praktycznie w każdym miesiącu, a w sierpniu i wrześniu anomalie V wynoszą około $+2 \text{ ms}^{-1}$. Cykl roczny w przebiegu wartości ekstremalnych (V_{q99}) również odznacza się znaczną odrębnością, a anomalia w przypadku miesięcy letnich przekraczają $+5 \text{ ms}^{-1}$.

Odmienność północnej części kraju manifestuje się również w przypadku przeciętnych wartości składowych wektora wiatru geostroficznego przy czym o wiele wyraźniejsza jest dla składowej u . Składowa równoleżnikowa (wynosząca $2,7 \text{ ms}^{-1}$) jest o $0,9 \text{ ms}^{-1}$ wyższa od średniej dla kraju natomiast w przypadku składowej południkowej (wynoszącej $0,5 \text{ ms}^{-1}$) ta różnica nie jest tak duża i wynosi $-0,2 \text{ ms}^{-1}$.

Cykl roczny przebiegu struktury kierunkowej jest charakterystyczny dla obszarów położonych w Europie Środkowej, zwraca jednak uwagę znacznie wyraźniej zaznaczona dominacja adwekcji z sektora zachodniego w sezonie letnim z anomaliemi (względem wartości dla uśrednionego przepływu w kraju) częstości z określonego kierunku przekraczającymi $+5\%$ oraz o wiele słabiej zaznaczone „załamanie” przepływu zachodniego w sezonie wiosennym - tutaj ujemne anomalie przekraczają $2,5\%$.

Zmienność wieloletnia V wskazuje na istnienie istotnego statystycznie ($\alpha=0,05$) trendu liniowego o wartości $0,07 \text{ ms}^{-1}/10\text{lat}$. Nie notuje się statystycznie istotnych trendów w przypadku wartości ekstremalnych V (V_{q99}). Zaznacza się natomiast dodatni trend w przebiegu u ($0,16 \text{ ms}^{-1}/10\text{lat}$), a wartościom przeciętnym u towarzyszy również dodatni trend wartości ekstremalnych ($0,22 \text{ ms}^{-1}/10\text{lat}$) wskazując jednoznacznie na zwiększenie się zakresu zmienności tej składowej. W przypadku składowej południkowej wartości średnie roczne nie wykazują istnienia istotnych statystycznie trendów z wyjątkiem v_{q90} gdzie dodatni trend wynosi $0,13 \text{ ms}^{-1}/10\text{lat}$.

Wykorzystanie długich wieloletnich ciągów pomiarowych pozwoliło na analizę i określenie charakterystyk cechujących przepływ powietrza nad Polską Północną. Wykazała znaczną odrębność analizowanego obszaru względem uśrednionego przepływu powietrza nad Polską jak również pozwoliło na określenie stabilności stanu systemu przepływu po-

wietrza wyrażającej się w istnieniu istotnych statystycznie trendów dla średnich rocznych wartości analizowanych charakterystyk. Istotność trendów w przypadku serii wartości miesięcznych zarówno dla V jak i składowych wektora wiatru geostroficznego notowane jest jedynie w kilku przypadkach, wskazując na względna stabilność analizowanych charakterystyk przepływu powietrza.

Summary

Conducted analyzes confirmed the applicability of the geostrophic wind vector as an objective measure of the direction and intensity of the air flow. Ability to freely adjust the size of the triangle (and thus the degree of generalization of the analyzed spatial flow) allows for flexible and conscious choice of the research area. Another advantage is the ease of calculations and negligible computational cost. In addition, as a flow measure geostrophic wind vector has a solid theoretical foundations and its utilisation in the mentioned climatological studies (including only selected examples) confirms the wide possibilities of application.

Not without significance here is also the possibility of obtaining and further analysis of homogeneous data series that are necessary in the climatological analyses thanks to the possibility of a correct estimation of parameters describing both the basic statistical features of the air flow as well as its long-term variability. All this makes the interpretation of the results of the geostrophic wind calculation is straightforward and provides a basis for further analysis.

Undoubtedly, there is a problem is in the case of geostrophic wind as it does not account for the land roughness (no friction assumption in the model), but in the analyzes for the northern Poland geostrophic wind vector is placed to the north of the Rozewie Cape thus above water surface, which is characterized by the lowest possible roughness parameters. Still, if it is necessary to refer to overland flow of air it is possible to use relatively simple methods (eg. the assumption of logarithmic wind speed profile), or the application of more advanced airflow modeling tools e.g.: WASP (www.wasp.dk) or advanced dynamical downscaling with the use of regional climate models: RegCM4 (www.ictp.it) or WRF (www.wrf-model.org). However, it should be noted that dynamic modeling poses a lot of technical problems and is extremely costly computationally wise.

Analysis of the characteristics of the flow of air over northern Poland clearly demonstrates the distinctiveness of the region in relation to the average airflow for the country. The average annual geostrophic air flow over northern Poland is 9.0 ms^{-1} and was 1.6 ms^{-1} higher than the average calculated for the whole country. Extreme values (with 0.1% probability of exceedance - occurring about once every 1 year) is 32.0 ms^{-1} . Maximum recorded value was 47.1 ms^{-1} (2005-01-09 0:00 UTC) and was associated with a deep (961 hPa in the center) low pressure system covering entire Baltic Sea basin with the

center located in the southern part of the Gulf of Bothnia.

Analyzing the annual cycle of statistical characteristics, northern part of the country stands out in virtually every month and in August and September V anomalies are about $+2 \text{ ms}^{-1}$. The highest V values occur in northern Poland during the cold time of the year and exceed 10 ms^{-1} . Annual course of extreme values (V_{q99}) also exhibits a significant difference when compared with Poland territory and anomalies for the summer months exceed 5 ms^{-1} . Dissimilarity of the northern part of the country manifests itself also in the case of the average value of geostrophic wind vector components. Zonal component (amounting to 2.7 ms^{-1}) is 0.9 ms^{-1} higher than the national average while in the case of the meridional component average (0.5 ms^{-1}). However, this difference is not substantial and equals -0.2 ms^{-1} .

Annual cycle of directional structure is characteristic for areas located in Central Europe, but what draws attention is a enhanced dominance of advection from the western sector during the summer season with anomalies exceeding $+5\%$ and much less (than it was in the case of air flow averaged over Poland) marked „collapse” of western advection during the spring season - here negative anomalies exceed 2.5% .

Long-term V variability indicates the existence of a statistically significant ($\alpha = 0.05$) linear trend with a value of $0.07 \text{ ms}^{-1}/10\text{lat}$. There is not statistically significant trend in the case of V extreme values (V_{Q99}). There is a positive trend in the course of u ($0.16 \text{ ms}^{-1}/10\text{lat}$) and it is also accompanied by a positive trend of u extreme values ($0.22 \text{ ms}^{-1}/10\text{lat}$) indicating clearly the increase in the range of variability of this component. In the case of the course of annual averages of meridional component characteristics there are no statistically significant trends with the exception of v_{q99} where the positive trend is $0.13 \text{ ms}^{-1}/10\text{lat}$.

The use of multiannual data series allowed to analyze and determine the basic characteristics of the airflow over northern Poland. It showed considerable autonomy in relation to averaged conditions of air over Poland as well as made it possible to investigate the stability of the air flow system characteristics expressed - the existence of statistically significant trends for the annual averages of the analyzed characteristics. The significance of trends, in the case of a series of monthly values for both V and vector components of geostrophic wind is noted only in a few cases, pointing to the relative stability of the analyzed characteristics.

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Kalendarz wiatru geostroficznego

1951-2015

Plik tekstowy (txt) z danymi wartości składowych wiatru geostroficznego nad Polską Północną z wielolecia 1951-2015 można pobrać ze stron WWW Katedry Meteorologii i Klimatologii Instytutu Geografii Uniwersytetu Gdańskiego pod adresem:

http://www.klimat.ug.edu.pl/?page_id=2306

Dane udostępniane są nieodpłatnie w celach naukowych i dydaktycznych.

W przypadku wykorzystania danych uprzejmie proszę o uwzględnienie niniejszej pozycji w źródłach w następującej formie:

Marosz M., 2017, Wieloletnia charakterystyka przepływu powietrza nad Polską Północną 1951-2015, Katedra Meteorologii i Klimatologii UG, Gdańsk, s. 101

Gdyby z jakiś względów powyższy link nie funkcjonował, poprawnie proszę o kontakt z autorem: *m.marosz@ug.edu.pl*

Spis tablic

Spis tablic

1952

1953

Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	5.7	-1.9	5.3	6.9	4.2	5.4	8.8	-0.9	-0.7	9.6	7.7	5.7
01 08	8.4	-7.7	7.0	8.5	2.7	8.0	6.6	-3.7	-5.5	7.4	2.7	5.2
01 12	9.2	-3.2	4.4	9.3	1.9	4.6	9.1	-0.1	-0.1	9.2	1.9	1.0
01 18	11.8	-11.5	2.8	6.7	-6.5	-1.6	10.4	-0.1	-0.1	9.5	-0.1	9.5
02 06	13.4	-13.0	3.3	9.8	-9.5	-1.4	10.4	9.1	-5.1	13.0	4.8	12.1
02 12	12.5	-12.2	2.8	5.8	-5.5	-1.7	10.9	7.3	-8.1	12.4	2.1	12.3
02 18	11.9	-11.9	0.4	12.5	-12.1	-3.1	13.3	10.8	-8.0	14.2	-0.8	14.2
03 00	13.4	-13.4	-0.3	12.9	-12.0	-4.6	19.2	15.6	-11.1	14.7	0.2	14.6
03 06	16.6	-16.3	-3.4	11.8	-9.7	-6.7	19.3	14.5	-12.7	16.7	2.5	16.6
03 12	15.0	-14.8	-5.3	9.8	-7.2	-6.2	19.3	14.4	-3.4	14.5	5.1	14.5
03 18	14.1	-14.0	-5.1	9.9	-6.7	-6.0	19.3	14.7	-5.5	14.5	5.3	14.5
04 00	13.6	-13.1	-3.9	8.7	3.3	-8.1	12.6	6.5	-10.8	13.6	3.9	13.0
04 06	17.4	-15.7	-7.5	10.5	10.5	10.5	10.0	9.6	7.2	-6.4	15.5	3.3
04 12	15.1	-12.9	-7.8	18.1	16.3	7.9	6.2	5.9	-1.9	18.4	3.4	18.1
04 18	13.9	-10.8	-8.7	18.8	13.5	13.1	2.1	-1.6	-1.4	20.6	3.0	20.4
05 00	11.8	-10.5	-5.4	17.8	6.1	5.6	-5.1	2.3	2.1	25.6	2.1	21.5
05 06	8.9	-8.3	-3.4	10.5	0.2	10.5	5.9	-2.6	-5.3	16.1	0.9	16.0
05 12	5.5	-5.4	-0.6	5.7	-5.3	-5.3	4.7	5.8	2.4	6.4	2.0	6.1
05 18	4.7	-4.5	-3.7	6.1	-5.3	-5.3	10.6	7.5	-7.0	3.7	3.2	1.7
05 24	5.6	-5.2	-5.3	5.4	-5.3	-5.3	10.9	7.5	-7.0	3.7	3.2	1.7
06 06	7.5	-0.4	7.5	4.6	-3.8	-3.8	6.7	6.9	-5.8	-3.8	6.7	2.0
06 12	4.0	-0.7	3.9	5.8	-2.9	-5.1	12.2	6.1	-10.5	6.4	0.4	6.4
06 18	4.1	-2.7	3.1	6.2	-2.9	-5.4	13.3	8.4	-10.3	4.8	0.6	4.8
07 00	6.1	-6.1	0.2	6.5	-1.0	-6.5	16.3	9.9	-6.6	6.1	0.2	6.1
07 06	9.0	-9.0	0.1	5.2	-0.2	-5.2	15.4	14.1	-6.0	7.5	1.6	7.5
07 12	8.0	-7.9	1.1	5.2	-0.3	-5.3	6.7	3.0	-6.0	5.8	3.5	4.6
07 18	7.3	-7.3	0.0	3.1	-6.1	-6.1	19.1	-6.9	-17.7	7.4	1.1	7.4
08 00	6.8	-6.2	-2.8	4.7	1.1	4.5	18.9	-8.3	-13.7	12.4	0.6	12.4
08 06	7.0	-7.0	-2.3	4.9	1.1	4.5	19.2	-8.3	-13.7	12.4	0.6	12.4
08 12	7.7	-5.8	-5.1	3.1	-1.9	-2.4	11.2	-8.0	-11.0	10.3	-2.0	10.3
08 18	7.0	-3.1	-6.2	3.3	-3.2	-0.8	9.5	-2.3	-9.2	9.3	-0.1	9.3
09 00	6.7	-0.6	-5.7	5.8	-2.3	-0.8	10.9	-7.8	-3.8	7.0	-0.6	7.0
09 06	8.1	-5.5	-5.9	4.2	2.9	3.1	12.4	11.8	-11.8	-3.7	4.8	2.9
09 12	7.1	-7.0	-1.1	1.5	7.4	12.8	11.6	-6.3	-1.3	-1.1	0.7	10.8
09 18	6.6	-5.6	-3.5	12.0	-1.4	11.4	18.5	-1.8	-9.6	10.7	-0.2	10.7
10 00	3.4	-0.7	3.3	-15.1	-3.5	-3.5	14.7	15.9	-10.0	-15.5	-2.2	15.5
10 06	1.2	-1.2	-2.3	1.9	-1.2	-1.2	15.9	-1.2	-1.2	15.9	-0.2	15.9
10 12	6.2	-5.3	-5.3	18.9	-1.6	-1.6	13.0	-0.6	-0.6	13.0	-0.1	13.0
10 18	7.7	-5.8	-5.1	18.3	-13.0	-0.6	13.0	-7.7	-7.7	7.3	-0.6	7.3
11 00	7.1	-2.1	-6.8	17.8	-6.7	-6.7	15.2	-6.7	-6.7	15.2	-0.2	15.2
11 06	6.3	-1.0	-6.2	20.0	-8.3	-8.3	19.2	0.6	0.6	19.2	-0.2	19.2
11 12	3.6	-3.8	-3.2	20.0	-15.7	-1.0	17.6	-1.0	-1.0	17.6	-0.2	17.6
11 18	3.0	-1.5	-2.6	19.1	-14.6	-1.5	13.1	-2.4	-2.4	13.1	-0.2	13.1
12 00	2.0	-1.6	-1.2	20.0	-16.1	-1.1	11.9	-6.5	-6.5	11.9	-0.2	11.9
12 06	2.9	-2.5	-1.6	17.5	-10.6	-1.6	18.7	-10.6	-10.6	18.7	-0.2	18.7
12 12	2.5	-1.8	-1.8	14.9	-13.0	-1.3	10.9	-8.7	-8.7	10.9	-0.2	10.9
12 18	2.5	-1.8	-1.8	14.9	-13.0	-1.3	10.9	-8.7	-8.7	10.9	-0.2	10.9
13 00	1.8	-1.8	-1.8	14.9	-13.0	-1.3	10.9	-8.7	-8.7	10.9	-0.2	10.9
13 06	4.7	-3.7	-3.0	9.4	-0.9	-0.9	2.5	-0.9	-0.9	2.5	-0.1	2.5
13 12	6.2	-5.2	-5.3	18.9	-1.6	-1.6	13.0	-7.7	-7.7	13.0	-0.2	13.0
13 18	7.1	-2.1	-6.8	17.8	-6.7	-6.7	13.0	-7.7	-7.7	13.0	-0.2	13.0
13 24	7.8	-4.0	-7.3	7.1	-5.2	-5.2	14.6	-5.2	-5.2	14.6	-0.2	14.6
14 00	9.0	-8.3	-3.7	6.3	-6.1	-1.4	6.2	-5.2	-5.2	6.2	-0.2	6.2
14 06	9.1	-8.8	-4.2	4.8	-1.1	3.9	2.7	-2.9	-1.7	4.8	-0.3	4.8
14 12	10.4	-10.1	-2.4	2.2	0.9	1.1	10.7	-2.4	-2.4	10.7	-0.1	10.7
14 18	10.8	-10.1	-3.1	1.3	-1.3	10.8	-8.4	-6.1	-6.1	10.8	-0.1	10.8
14 24	11.0	-10.1	-3.1	1.3	-1.3	10.8	-8.4	-6.1	-6.1	10.8	-0.1	10.8
15 00	12.0	-12.0	-3.5	1.3	-1.3	10.8	-8.4	-6.1	-6.1	10.8	-0.1	10.8
15 06	12.7	-12.4	-2.6	1.3	-0.3	6.5	-4.4	-3.8	-3.8	6.5	-0.1	6.5
15 12	12.7	-12.4	-2.6	1.3	-0.3	6.5	-4.4	-3.8	-3.8	6.5	-0.1	6.5
15 18	12.3	-12.2	-2.0	1.3	-0.8	1.8	-2.1	-2.1	-2.1	12.3	-0.2	12.3
16 00	21.0	-20.7	3.5	3.3	2.3	-1.8	0.8	0.2	0.1	3.3	-1.7	3.3
16 06	12.0	-11.7	2.5	1.4	-2.0	2.3	-1.0	-0.9	-0.9	8.6	-2.0	8.6
16 12	6.0	-6.0	-4.4	4.5	-2.9	-3.0	5.9	-5.0	-5.0	6.0	-3.9	6.0
16 18	4.3	-3.9	-2.0	7.5	-6.0	-6.0	4.8	-4.4	-4.4	7.5	-3.9	7.5
17 00	4.6	-3.9	-2.6	10.5	-10.0	-3.3	7.4	-5.3	-5.3	4.6	-3.9	4.6
17 06	4.9	-3.9	-2.6	10.5	-10.0	-3.3	7.4	-5.3	-5.3	4.6	-3.9	4.6
17 12	5.0	-4.0	-3.3	10.5	-10.0	-3.3	7.4	-5.3	-5.3	4.6	-3.9	4.6
17 18	5.2	-4.0	-3.3	10.5	-10.0	-3.3	7.4	-5.3	-5.3	4.6	-3.9	4.6
18 00	13.1	-12.8	-2.7	10.7	-8.0	-7.1	7.6	-1.9	-1.9	13.0	-0.2	13.0
18 06	14.7	-14.6	-1.0	5.1	-6.6	-7.6	8.8	-0.3	-0.3	14.7	-0.1	14.7
18 12	15.9	-14.7	-6.0	12.0	-7.5	-9.4	8.3	-0.3	-0.3	15.9	-0.2	15.9
18 18	13.0	-12.8	-7.3	7.0	-1.1	1.1	1.1	-0.1	-0.1	13.0	-0.2	13.0
19 00	11.5	-7.1	-9.1	19.6	-8.0	-6.4	4.7	-5.9	-3.9	0.6	-1.0	0.6
19 06	7.2	-2.4	-6.8	21.8	-10.9	-6.6	5.3	-3.1	-3.1	7.2	-0.2	7.2
19 12	8.7	-11.6	-13.6	9.9	-9.3	-10.3	4.1	-2.9	-2.9	8.7	-0.2	8.7
19 18	9.8	-5.7	-8.0	9.7	-9.3	-10.3	4.1	-2.9	-2.9	9.8	-0.2	9.8
20 00	9.8	-5.7	-8.0	9.7	-9.3	-10.3	4.1	-2.9	-2.9	9.8	-0.2	9.8
20 06	10.5	-8.8	-5.8	4.5	-1.9	4.1	8.7	-0.3	-0.3	10.5	-0.2	10.5
20 12	16.2	-15.7	-4.0	5.4	-2.1	10.2	9.4	-0.1	-0.1	16.2	-0.2	16.2
20 18	18.9	-18.3	-5.0	8.7	-2.3	11.2	10.0	-0.1	-0.1	18.9	-0.2	18.9
21 00	19.5	-19.2	-3.5	16.7	-6.0	-6.7	6.7	-0.1	-0.1	19.5	-0.2	19.5
21 06	16.7	-16.0	-2.5	10.2	-7.4	-7.4	6.7	-0.1	-0.1	16.7	-0.2	16.7
21 12	16.7	-16.0	-2.5	10.2	-7.4	-7.4	6.7	-0.1	-0.1	16.7	-0.2	16.7
21 18	16.5	-16.3	-2.5	10.2	-7.4	-7.4	6.7	-0.1	-0.1	16.5	-0.2	16.5
22 00	14.7	-14.7	-3.4	24.0	-24.6	-7.9	7.3	-1.1	-1.1	14.7	-0.2	14.7
22 06	10.8	-6.8	-20.6	13.0	-16.1	-7.1	7.0	-2.9	-2.9	10.8	-0.2	10.8
22 12	11.8	-5.1	-10.6	16.3	-11.7	-5.2	5.2	-0.3	-0.3	11.8	-0.2	11.8
22 18	12.7	-7.7	-10.1	13.0	-12.3	-4.0	2.7	-1.9	-1.9	12.7	-0.2	12.7
23 00	14.7	-12.4	-8.6	14.2	-8.6	-11.3	8.8	-3.7	-3.7	14.7	-0.2	14.7
23 06	11.9	-6.1	-10.2	9.4	-6.3	-12.5	5.0	-3.5	-3.5	11.9	-0.2	11.9
23 12	12.7	-8.4	-9.5	8.7	-11.3	-8.6	5.0	-2.9	-2.9	12.7	-0.2	12.7
23 18	8.4	-8.3	-8.4	8.4	-8.3	-8.4	5.0	-2.9	-2.9	8.4	-0.2	8.4

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Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v	
01 00	2.8	-1.4	-2.5	1.6	-1.3	-0.9	9.2	4.4	8.1	13.5	-4.2	12.8	8.8	-8.8	-0.3	1.6	-1.2	-1.1	3.8	2.0	-3.2	2.4	-1.2	-1.1	14.2	12.3	-7.1	13.1	13.0	-1.7	13.1	-3.6	12.6				
01 08	2.2	-1.3	-1.8	1.8	-0.7	-1.4	11.1	0.9	7.1	7.1	0.8	7.1	10.0	-10.0	-0.1	4.0	-4.2	-0.2	3.3	2.7	-1.4	2.4	-0.2	-0.3	8.4	8.0	-2.5	10.5	9.9	-3.6	14.8	14.1	-4.5	14.2	-2.4	10.9	
01 16	4.0	-1.4	-2.1	4.0	-1.4	-1.1	0.1	8.0	8.3	3.5	6.8	-3.9	5.6	7.4	-10.4	-0.5	2.4	-0.4	-0.1	8.6	-8.6	-0.9	5.4	4.9	-2.3	3.7	3.3	-1.8	10.8	8.5	-8.7	8.1	0.1	4.7	-0.1	-0.2	
01 24	5.3	-3.4	-4.1	2.3	-2.3	-0.1	1.0	8.0	8.3	3.5	6.8	-3.9	5.6	7.4	-10.4	-0.5	2.4	-0.4	-0.1	8.6	-8.6	-0.9	5.4	4.9	-2.3	3.7	3.3	-1.8	10.8	8.5	-8.7	8.1	0.1	4.7	-0.1	-0.2	
02 00	9.6	6.9	-6.6	2.2	-1.5	-1.5	14.4	12.5	7.0	6.8	-0.3	6.8	4.8	-4.5	-0.6	3.3	-3.2	-0.9	8.8	-8.3	-3.0	10.7	10.2	-3.4	5.9	5.8	0.8	10.1	7.2	-7.1	7.8	7.3	2.8	4.9	4.6	1.6	
02 12	19.6	18.7	-6.0	5.8	-5.2	-2.4	10.7	10.2	3.5	0.5	0.5	0.2	5.8	-3.2	4.6	9.6	8.4	-4.6	17.3	-15.4	-7.9	8.0	8.0	-0.5	5.4	4.0	3.5	11.0	5.8	-9.4	9.3	8.9	2.7	5.3	5.3	-0.2	
02 18	22.3	21.8	-4.9	8.0	-7.9	-1.3	10.3	6.2	8.2	1.2	0.5	-1.0	6.8	-3.7	5.7	7.6	-4.6	-0.6	15.3	-11.4	-10.2	6.2	5.8	2.7	7.1	4.6	5.4	11.1	5.9	-9.4	7.9	7.9	-0.3	10.3	8.5	5.8	
03 00	25.2	25.2	-0.3	6.7	-5.7	-3.6	12.8	4.1	12.1	2.3	2.0	-1.2	7.3	-4.2	5.9	6.8	-0.4	-0.6	8.4	8.0	-2.5	10.5	10.5	-3.6	14.8	14.1	-4.5	14.2	-2.4	10.9							
03 06	21.9	21.1	6.0	6.5	-5.8	-2.9	14.4	5.7	13.2	0.8	0.2	0.8	7.0	-4.8	5.0	3.2	-1.0	-3.0	9.8	9.0	-0.7	11.2	11.2	-0.6	8.0	7.8	-1.9	7.1	6.9	-1.3	15.9	14.6	6.4				
03 12	12.0	10.9	5.1	5.8	-3.1	-4.9	2.2	7.0	7.0	3.0	-0.6	1.6	7.6	-3.0	3.1	5.1	-0.9	-0.9	5.2	2.8	-0.7	9.7	-0.9	-0.9	5.9	5.4	-2.1	2.7	3.0	-0.6	14.0	14.6	4.6				
03 18	6.1	5.9	-5.6	1.6	-1.7	-0.1	1.0	1.1	1.1	0.3	0.3	0.1	7.4	-2.2	5.4	6.3	-0.9	-0.9	6.7	6.5	-0.5	1.3	1.2	-0.6	7.2	7.2	-0.7	7.2	-0.7	-0.2	17.2	17.2	-0.5				
04 00	4.4	1.6	4.1	8.1	-4.1	-7.0	12.0	-3.4	11.5	3.1	1.8	2.5	6.9	-6.5	2.3	6.8	-5.0	-4.6	4.3	0.7	7.3	6.5	-3.5	0.9	0.0	-0.9	2.9	2.3	1.8	7.9	-5.1	-6.0	19.5	17.0	-9.5		
04 06	9.2	6.1	6.9	7.4	5.3	-5.1	14.5	-4.4	13.8	6.4	4.1	4.5	12.5	-8.5	9.2	5.4	-3.8	-3.8	4.5	3.9	2.3	6.0	5.6	-1.9	1.1	2.2	-0.3	2.7	7.4	-3.4	-6.6	15.9	15.7	-2.3			
04 12	11.0	6.4	8.9	11.0	9.7	-5.1	12.0	-0.7	12.0	8.9	6.8	5.7	15.4	-10.7	11.2	6.2	-5.4	-3.2	7.2	2.2	6.8	3.3	1.5	3.0	2.3	-2.2	0.8	4.0	-2.8	2.8	6.2	-2.6	-5.6	15.6	15.4	2.4	
04 18	11.9	-6.1	10.2	14.3	12.2	-7.6	8.3	1.3	8.2	8.6	8.6	-0.4	12.3	-10.5	6.3	2.6	-1.3	-2.2	7.3	0.5	7.3	2.0	1.9	0.8	-1.2	0.8	5.1	-3.2	4.0	1.6	-0.8	-1.5	21.4	15.0	1.5		
05 00	3.4	-2.2	2.5	13.1	11.5	-6.3	6.9	1.3	6.7	13.2	9.4	-9.3	9.5	-7.7	5.6	3.8	-0.1	-0.8	6.3	0.0	6.3	4.3	0.8	-4.2	0.8	-0.6	0.5	3.2	-2.3	2.2	4.0	3.5	2.0	18.8	11.5	14.8	
05 06	1.8	-1.4	1.2	10.0	7.9	-6.1	4.6	1.7	4.3	12.6	12.2	-11.2	5.4	-3.2	4.4	4.3	-2.1	-2.7	3.7	5.5	-1.5	6.5	2.5	-6.0	3.7	1.4	3.4	3.2	-3.0	1.2	6.7	6.3	2.4	9.8	8.4		
05 12	2.3	-0.8	2.1	6.0	6.5	-5.2	6.2	-2.8	5.6	14.4	5.7	13.0	7.9	3.3	-0.2	-0.8	4.4	-2.1	-2.7	3.7	6.5	-6.0	4.0	4.4	1.1	4.4	6.8	-6.3	2.5	8.4	7.6	3.5	18.1	16.8	6.8		
05 18	3.9	-3.4	-1.9	2.7	1.2	-2.4	2.4	6.4	-2.5	12.9	11.9	10.4	4.9	-0.1	-0.1	0.1	-0.7	-0.7	2.5	-2.8	-0.8	5.5	-5.2	-1.7	2.0	1.6	1.2	1.7	-0.2	1.6	1.1	-0.8	1.8	-1.8	-0.1		
05 24	2.7	-1.3	-0.9	1.4	-0.7	-0.1	3.0	1.1	1.1	7.4	2.1	7.1	2.7	-1.2	-1.3	1.5	-0.7	-0.7	10.2	-13.5	-11.3	-11.0	-11.6	-0.2	10.2	-11.0	-0.2	11.7	-11.3	-0.2	11.7	-11.3	-0.2	11.7	-11.3	-0.2	
06 00	3.7	-0.7	0.1	3.3	-1.1	-1.1	12.0	11.8	11.8	7.4	-0.4	7.4	9.0	-7.8	-4.5	2.7	-2.2	-1.5	2.1	8.8	-1.1	4.4	-0.4	-1.8	2.2	1.8	0.7	6.7	3.9	5.5	14.2	14.2	0.4				
06 12	4.1	-4.1	-0.2	3.6	2.1	-2.9	8.6	4.7	7.1	8.1	-5.7	6.4	11.0	-10.7	5.2	3.9	-3.3	2.0	3.2	3.7	3.6	0.5	3.6	4.7	-4.4	1.5	-2.4	-0.5	2.3	8.7	8.1	7.0	11.1	10.7	3.0		
06 18	3.7	3.1	1.9	5.3	5.1	5.1	4.5	1.3	4.3	9.5	-6.1	6.1	7.2	-9.0	-8.8	-1.8	8.2	6.9	4.4	3.7	2.8	1.7	9.7	-1.7	2.8	1.7	9.7	-1.7	2.8	1.7	9.7	-1.7	2.8	1.7	9.7		
07 00	2.7	1.3	2.4	7.3	7.6	3.6	7.6	2.0	14	1.2	5.8	-5.2	5.3	9.3	-9.0	-0.2	9.3	8.2	1.0	2.2	11.8	-3.3	11.3	3.1	-2.3	2.0	4.4	1.1	9.6	7.5	6.0	6.3	3.4				
07 12	2.6	-1.3	2.3	11.4	13.3	10.8	7.4	2.1	7.1	2.7	-1.2	-1.3	17	-15.7	-11.3	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0			
07 18	2.7	-0.8	-1.5	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	
08 00	17.0	13.8	-9.9	13.4	-10.0	13.2	1.0	1.2	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
08 06	5.2	-1.0	3.3	1.8	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	1.0	-0.8	-0.8	
08 12	16.9	-10.1	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6		
08 18	16.9	-10.1	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6		
08 24	17.0	-13.0	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6		
09 00	17.0	-13.0	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6		
09 06	17.0	-13.0	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6		
09 12	17.0	-13.0	13.6	-14.4	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6	-14.6	14.6		
09 18	17.0	-13.0	13.6	-14.4	14.6	-																															

Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	10.1	-9.9	-2.1	5.2	4.3	2.9	5.1	1.8	-4.8	4.3	4.1	-1.3
01 08	10.7	-10.5	-1.8	5.8	3.5	3.5	4.0	1.9	-3.5	2.6	2.4	-0.7
01 12	12.9	-10.7	-0.7	4.9	6.2	5.3	6.2	2.3	-3.2	6.8	5.5	-3.4
01 18	8.3	-8.3	-0.1	5.7	4.9	6.2	4.0	-4.8	9.5	5.0	2.0	-7.9
02 00	9.3	-9.2	-1.7	4.0	-1.4	3.8	7.5	5.8	-4.7	9.5	7.3	-6.0
02 12	12.9	-12.9	-0.2	5.3	-3.3	4.9	9.7	6.0	-3.2	8.7	7.8	-3.8
02 18	12.9	-12.8	1.4	6.1	-3.1	5.3	8.4	5.1	-6.7	11.4	10.2	-5.0
03 00	13.5	-13.5	0.7	6.3	-3.1	5.5	8.7	5.2	-7.0	9.4	8.9	-3.0
03 06	11.5	-11.4	1.5	7.3	-1.1	7.8	6.2	2.2	-5.8	7.8	7.7	-1.3
03 12	9.4	-8.5	4.1	8.3	-0.2	8.0	7.1	4.8	-5.2	8.5	8.4	-1.4
03 18	6.1	-6.1	2.9	2.9	-0.9	5.3	8.0	5.4	-3.0	8.9	8.9	-0.9
04 00	8.3	-8.1	1.8	5.6	3.8	4.2	10.7	9.5	-4.9	6.2	6.0	1.7
04 06	6.6	-6.4	1.6	6.6	4.8	4.4	9.2	9.1	-0.7	5.2	5.0	3.3
04 12	6.3	-5.9	-2.0	8.7	0.7	8.7	8.8	8.4	24	3.3	3.3	0.2
04 18	3.6	-2.9	-2.1	9.5	0.0	9.5	8.1	6.2	5.2	1.5	0.7	-1.3
05 00	4.8	-4.4	-1.7	10.3	0.2	10.8	8.5	4.9	7.0	4.5	-1.7	-4.2
05 06	6.0	-2.6	-5.4	11.8	4.1	11.3	13.6	2.5	13.4	5.1	-0.9	-1.2
05 12	10.3	-8.8	-11.0	4.8	10.0	14.6	2.5	2.5	14.4	4.1	-0.3	8.0
05 18	10.4	-8.4	-6.7	9.8	4.2	8.6	12.8	-4.9	11.1	3.7	-1.7	10.1
05 24	10.0	-8.5	-5.4	10.0	1.4	10.0	12.5	-2.0	11.0	3.0	-0.2	10.0
06 00	3.0	-1.4	-2.6	12.6	0.0	12.6	12.6	-2.0	12.6	1.0	-0.2	12.6
06 06	1.0	-1.4	-2.6	4.6	4.4	4.4	8.6	-7.8	3.8	1.8	-0.5	1.0
06 12	2.2	-1.7	-1.5	6.1	5.3	3.0	7.4	-7.0	2.3	1.7	-0.5	0.7
06 18	1.5	-1.5	-0.3	10.4	7.8	5.7	7.1	-6.8	2.0	2.9	-1.0	10.0
07 00	1.7	-1.7	-0.1	9.3	9.0	-2.6	7.2	-7.2	0.0	4.6	3.9	3.6
07 06	6.1	-6.0	-1.2	12.0	12.3	2.5	5.3	-5.2	0.6	2.2	-0.2	10.7
07 12	8.0	-6.9	-4.0	12.0	11.9	2.9	5.5	-5.5	0.2	9.5	4.2	-1.7
07 18	8.1	-7.3	-12.1	12.0	11.6	3.8	3.3	-3.2	7.3	5.3	-5.7	11.9
08 00	6.5	-4.9	-4.4	12.0	10.0	1.4	2.2	-0.1	8.0	0.7	-0.2	12.1
08 06	5.0	-4.3	-3.0	9.3	9.4	-0.6	7.7	-7.7	0.0	1.5	-0.3	10.0
08 12	1.7	-1.7	-3.6	7.8	4.2	6.6	2.2	-1.2	10.3	2.0	-0.7	10.0
08 18	2.5	-1.1	-2.3	12.0	1.4	11.9	2.5	-1.8	6.6	4.8	-0.6	10.5
09 00	1.9	-0.4	-1.9	12.5	-3.5	11.7	3.9	-3.2	6.2	5.5	-0.6	11.3
09 06	2.6	-1.9	-1.8	10.7	-3.4	10.1	4.9	-3.4	3.6	5.8	-0.7	10.5
09 12	3.3	-2.7	-1.9	6.4	-6.8	4.3	7.6	-4.3	5.6	5.2	-0.5	13.3
09 18	2.2	-1.8	-1.3	2.6	-1.4	2.2	6.2	-3.1	5.4	1.8	-1.0	12.6
10 00	3.4	-2.9	-1.7	2.4	-0.1	2.4	8.1	-3.6	7.2	0.8	-0.5	13.0
10 06	5.2	-4.4	-2.8	0.8	-0.7	0.7	-3.0	-2.6	2.9	-0.6	-0.2	12.0
10 12	1.0	-0.7	-0.7	1.0	-0.7	0.7	-2.6	-0.9	1.0	-0.7	-0.2	12.0
10 18	19.8	-15.1	12.8	6.6	0.6	-6.6	5.4	-3.9	1.6	1.6	-1.0	1.0
11 00	22.1	1.9	9.7	10.8	2.0	-10.6	6.7	-5.0	4.4	-1.3	-0.1	1.0
11 06	22.6	21.1	8.2	11.0	-1.1	7.7	-6.5	4.1	5.9	-0.3	-0.2	11.0
11 12	20.4	19.9	4.3	8.1	3.7	-7.2	8.5	-7.1	4.8	-0.3	-0.2	14.3
11 18	14.9	-14.2	4.5	7.1	-2.4	11.1	-5.2	9.3	-9.0	1.1	-0.1	14.6
12 00	9.3	-7.9	-5.0	7.5	7.5	1.2	5.3	-5.0	9.2	-9.2	1.0	12.0
12 06	12.6	-11.6	4.8	6.1	5.5	-2.7	3.8	-4.2	8.8	-8.0	-0.5	12.6
12 12	16.0	-15.3	-4.5	3.6	3.6	-2.1	6.2	-1.7	10.6	-10.6	-0.5	12.0
12 18	11.7	-11.7	4.6	5.6	5.6	-2.1	12.0	-12.0	1.3	-1.3	-0.5	12.0
12 24	10.1	-9.7	-0.7	0.7	0.2	10.3	-10.3	0.5	13.6	-13.6	-0.5	12.0
13 00	10.1	-9.4	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
13 06	10.4	-9.5	4.4	-2.4	-2.0	8.0	-6.6	4.4	15.5	-15.4	-2.0	12.0
13 12	14.5	-8.5	11.7	4.9	-2.2	11.4	-10.2	4.5	11.9	-10.5	-0.5	12.0
13 18	14.4	-14.2	2.3	7.9	-1.0	-7.8	5.2	-5.1	14.2	-14.2	-0.5	12.0
13 24	10.1	-9.7	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
14 00	13.8	-11.5	-5.3	7.1	-5.0	10.6	-8.9	5.3	14.5	-14.5	-0.5	12.0
14 06	10.1	-9.4	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
14 12	11.2	-11.2	4.5	7.1	-5.0	10.6	-8.9	5.3	14.5	-14.5	-0.5	12.0
14 18	11.5	-11.5	-5.3	7.1	-5.0	10.6	-8.9	5.3	14.5	-14.5	-0.5	12.0
14 24	10.1	-9.7	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
14 30	10.1	-9.7	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
15 00	13.8	-11.5	-5.3	7.1	-5.0	10.6	-8.9	5.3	14.5	-14.5	-0.5	12.0
15 06	10.1	-9.4	-0.7	-0.7	0.2	6.3	4.8	-4.0	10.3	-10.3	-0.5	12.0
15 12	14.2	-13.6	-4.2	8.6	-2.1	8.3	17.1	-16.5	4.4	-0.3	-0.2	12.0
15 18	16.0	-16.0	-0.5	9.2	3.0	-19.3	18.2	-9.3	5.4	-0.5	-0.4	12.0
16 00	13.4	-12.6	4.5	9.3	-6.6	6.5	-22.0	20.5	-7.9	8.1	-5.4	12.0
16 06	13.5	-11.7	9.1	9.1	2.9	-18.9	18.5	-1.7	6.0	-1.0	-0.1	12.0
16 12	13.3	-11.3	18.7	10.4	15.6	-14.1	4.4	-4.4	14.0	-14.0	-0.5	12.0
16 18	11.0	-9.0	64.1	24.2	21.8	11.0	-26.7	10.0	-5.0	52.0	-52.0	-0.5
17 00	8.6	-7.4	7.3	21.3	6.2	20.6	10.9	-8.4	15.5	-15.5	-0.5	12.0
17 06	10.0	-9.8	5.8	3.0	3.0	-19.8	19.8	-5.8	15.5	-15.5	-0.5	12.0
17 12	11.2	-10.0	16.5	4.8	5.2	-16.7	15.5	-5.2	14.4	-14.4	-0.5	12.0
17 18	24.4	-18.0	-16.4	12.7	5.8	3.4	-37.7	13.7	-4.8	8.9	-8.9	-0.5
18 00	20.4	19.1	-7.2	7.9	8.8	4.7	-15.0	14.0	-2.1	8.7	-7.7	-0.5
18 06	19.4	19.2	3.1	5.1	4.7	-0.5	13.0	-13.8	14.0	-0.7	7.8	-7.8
18 12	18.8	17.8	6.1	5.1	1.5	-0.4	14.4	-15.8	17.7	-0.7	7.7	-7.7
18 18	16.8	15.9	5.5	3.1	1.9	-0.4	16.5	-19.8	13.3	-0.7	7.7	-7.7
19 00	12.7	-11.7	5.3	2.7	5.5	-1.7	14.4	-15.5	13.5	-0.7	7.7	-7.7
19 06	12.4	-12.4	0.5	-5.9	2.5	-0.5	12.1	-12.1	12.1	-0.5	7.7	-7.7
19 12	13.1	-12.7	3.2	-12.5	4.2	-2.7	7.4	-7.4	11.2	-11.2	7.7	-7.7
19 18	10.9	-10.9	3.1	-1.1	2.3	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
20 00	10.9	-9.4	-0.7	-0.7	0.2	10.9	-10.9	0.5	10.5	-10.5	-0.5	12.0
20 06	11.5	-10.6	8.4	-4.4	7.6	-2.5	10.5	-10.5	10.5	-0.5	7.7	-7.7
20 12	12.9	-12.0	4.9	-4.9	7.6	-2.5	10.5	-10.5	10.5	-0.5	7.7	-7.7
20 18	12.2	-11.9	2.3	-2.3	5.7	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
20 24	19.9	-18.7	4.6	-4.6	5.0	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
21 00	11.6	-10.6	8.5	-4.6	7.6	-2.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
21 06	10.7	-9.8	4.6	-4.6	5.0	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
21 12	10.7	-9.8	4.6	-4.6	5.0	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
21 18	10.7	-9.8	4.6	-4.6	5.0	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
21 24	10.7	-9.8	4.6	-4.6	5.0	-0.5	12.0	-12.0	12.0	-0.5	7.7	-7.7
22 00	11.5	-10.5	8.4	-4.6	7.6	-2.5	10.5	-10.5	10.5	-0.5	7.7	-7.7
22 06	13.9	-12.9	10.4	-3.3	8.8	-2.5	11.0	-11.0	11.0	-0.5	7.7	-7.7
22 12	13.7	-12.8	11.3	-1.6	8.5	-2.5	11.0	-11.0	11.0	-0.5	7.7	-7.7</

Spis tablic

1956

Dział/Godzina	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec					
	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v						
01 00	12.8	11.7	5.0	7.1	6.3	3.2	12.6	10.5	6.9	3.3	2.3	2.4	11.0	-10.5	-3.4	8.4	-2.1	8.1	7.6	7.3	-2.2	12.6	12.0	3.6	4.6	-0.7	7.5	7.4	19.4	15.9	11.2	4.6	2.1	4.1					
01 06	12.6	12.3	2.9	5.5	5.5	0.3	5.0	4.9	1.1	5.0	5.7	0.5	11.9	-11.3	-3.7	8.8	0.3	8.3	9.2	8.3	-2.9	14.9	-0.6	3.7	3.2	-0.1	8.9	8.1	37.1	32.3	-9.4	5.9	5.7	1.6					
01 12	9.6	9.2	-2.9	7.3	4.0	-7.3	-10.2	-1.9	-10.0	4.6	4.2	1.8	12.8	-12.6	-1.9	1.5	0.5	0.3	4.3	3.1	-0.3	14.1	-13.7	-0.4	0.5	0.5	0.6	4.9	4.8	10.6	9.7	4.3	10.0	9.9	1.8				
01 18	7.4	7.0	2.2	10.9	4.1	-10.1	14.5	10.0	-10.5	6.9	3.0	-6.9	8.8	-8.8	-1.1	11.1	2.0	-10.9	6.0	-1.4	5.8	14.1	13.8	-3.1	3.7	-3.3	-1.6	7.6	7.0	3.1	3.5	3.0	1.8	15.0	14.9	2.2	14.9	14.8	2.2
02 00	4.7	2.9	3.8	5.1	1.9	-4.7	22.4	20.9	8.2	12.7	14.0	7.4	11.0	4.4	14.6	-4.6	-13.8	6.8	-3.4	5.9	11.5	11.5	0.3	3.0	-2.9	-0.8	8.1	8.1	-0.9	4.8	1.9	4.5	15.5	15.7	0.9	15.7	15.9	0.7	
02 06	1.1	-0.7	-0.8	4.3	-2.4	-3.5	28.1	27.3	6.9	11.5	10.2	-5.2	5.7	-5.5	1.5	9.5	4.9	-2.8	10.7	-6.7	6.3	8.1	8.5	3.1	-3.7	-2.3	-0.7	7.6	7.3	4.6	5.0	5.4	-0.4	4.9	5.7	15.7	15.3	0.7	
02 12	8.6	2.5	-8.3	4.7	4.3	-19.9	24.9	22.8	-10.0	11.4	10.3	-4.7	4.6	-4.6	-0.4	3.5	1.5	-3.2	14.6	-10.4	10.6	8.4	12.8	8.3	-4.3	-0.5	-0.6	5.8	6.1	50.2	45.5	-0.4	18.5	45.6	5.6				
02 18	11.6	2.5	-11.3	7.3	7.1	-1.4	20.2	17.0	18.9	16.3	-8.8	3.6	-3.2	-1.5	3.7	3.7	4.4	0.4	13.9	-1.1	10.9	8.3	10.2	4.9	-8.9	8.1	-0.7	7.8	7.3	25.5	23.7	-0.4	13.7	23.8	2.1				
02 24	0.9	1.6	-1.1	5.3	5.0	-1.1	13.0	12.5	-16.2	12.8	12.8	-0.6	3.2	-0.6	-0.4	4.8	4.0	-0.4	12.9	-0.9	10.0	7.0	12.0	-0.3	3.7	-0.5	-0.7	6.8	6.0	-0.4	13.7	13.6	-0.4						
03 00	3.9	5.6	-7.5	3.5	-3.6	-5.6	15.3	13.3	-2.9	16.7	10.0	-3.2	3.6	-3.2	-0.4	3.5	1.8	-1.0	13.0	-10.4	13.4	3.3	-0.9	4.8	2.8	-0.2	5.8	5.5	-0.4	13.5	13.7	-0.4							
03 12	15.2	13.3	-7.4	6.8	-4.1	-5.4	10.0	4.6	-3.9	13.8	13.0	-4.7	2.9	-1.8	-2.1	4.5	4.3	-1.4	7.2	-2.5	12.2	7.3	3.3	-8.3	-5.3	6.3	7.9	7.4	-3.1	27.7	20.4	-2.4							
03 18	17.2	16.4	-5.1	6.3	4.9	-3.9	9.3	7.0	-6.1	9.5	8.6	-4.1	3.4	0.0	-3.4	4.2	2.4	-3.4	11.0	-9.0	6.3	5.4	17.1	-10.1	-7.3	6.3	8.3	9.2	4.2	7.5	7.3	-2.5	17.3	17.4	-0.4				
04 00	12.5	11.9	-4.0	5.1	5.2	-4.2	29.0	19.9	4.5	4.7	0.7	0.3	5.3	17	-5.1	5.4	3.5	4.1	7.5	-6.0	4.4	7.0	4.2	-5.6	7.6	7.1	2.8	8.0	7.9	1.2	11.1	11.1	0.8	21.7	13.0	-17.3			
04 06	13.1	12.4	-4.2	4.2	2.0	-2.9	16.3	16.0	-3.3	3.1	-0.8	-0.3	5.0	3.1	-3.1	3.0	2.5	-1.7	3.5	2.0	1.1	3.0	-0.8	4.7	-4.2	0.7	4.6	4.7	4.2	8.6	8.6	11.6	11.4	2.4	15.0	10.0	-11.7		
04 12	12.2	11.2	-4.7	6.4	-0.4	-6.4	9.5	9.5	0.2	4.4	-4.0	6.0	5.1	2.5	-4.4	6.4	-1.9	6.1	2.3	-2.2	0.2	7.9	-6.4	-4.5	2.5	-1.9	2.1	6.7	5.5	3.8	11.8	11.7	1.0	9.6	9.6	-1.0			
04 18	8.2	7.0	-4.3	8.9	4.6	-7.7	8.9	8.8	-2.4	8.4	-2.4	-2.4	3.6	5.0	-4.4	-2.4	10.4	2.5	10.1	2.0	-1.9	0.7	6.8	6.6	-1.1	3.7	3.2	7.7	7.0	1.1	9.7	9.7	1.1	8.9	8.9	-1.1			
05 00	7.8	3.3	-7.1	10.8	8.9	-6.1	10.8	7.7	-7.7	7.7	-1.5	-0.6	1.5	7.8	-6.5	-4.4	11.3	0.3	11.8	1.1	0.2	1.1	5.3	5.2	-1.3	6.4	6.0	2.2	13.5	13.4	2.0	11.1	9.7	-5.5					
05 06	6.9	1.6	-6.6	10.8	9.2	-5.8	11.0	7.7	-3.4	10.3	-2.2	-0.2	12.3	-1.6	-0.2	12.9	-0.9	12.9	-0.9	-0.2	1.1	3.7	3.7	-0.5	6.0	5.9	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
05 12	4.7	0.8	-7.7	6.4	-2.1	-2.1	12.7	12.7	-8.4	9.3	-1.5	-0.5	12.9	-1.5	-0.5	12.9	-0.9	12.9	-0.9	-0.2	2.2	2.2	2.2	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
05 18	2.6	0.6	-2.7	6.5	-0.5	-6.5	16.5	13.9	-7.9	13.0	-6.8	-2.3	13.0	-3.3	-0.1	13.0	-0.3	13.0	-0.3	-0.1	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
06 00	23.2	22.2	-0.7	7.9	2.6	-2.5	15.0	15.0	-6.7	15.0	-6.7	-0.5	15.0	-6.7	-0.5	15.0	-6.7	15.0	-6.7	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
06 06	3.8	1.8	-5.5	8.0	-3.2	-3.2	7.3	6.4	-14.8	15.3	-3.0	-1.5	12.0	-12.4	-1.2	12.0	-12.4	12.0	-12.4	-1.2	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
06 12	7.2	-1.0	1.1	11.0	8.9	-6.4	12.5	12.5	-11.6	11.6	-1.1	-0.5	12.5	-11.6	-0.5	12.5	-11.6	12.5	-11.6	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
06 18	7.2	-2.2	6.8	9.8	-9.7	-1.5	9.5	2.3	-11.3	9.7	-8.9	-2.4	9.5	-8.9	-2.4	9.5	-8.9	9.5	-8.9	-2.4	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
07 00	5.1	3.8	3.3	11.0	9.0	-6.3	13.9	13.5	-2.7	12.5	11.4	-1.7	7.7	-6.4	-1.7	8.1	7.4	1.0	14.0	13.9	1.4	1.2	9.4	9.2	-0.5	7.7	7.3	-1.7	9.3	9.3	-1.7								
07 06	4.6	4.0	2.1	14.5	-9.9	-10.7	9.3	8.8	-11.6	10.2	-10.5	-5.6	10.0	-9.5	-3.5	10.0	-9.5	10.0	-9.5	-3.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
07 12	3.5	3.3	1.2	13.3	13.3	-3.7	-12.8	7.7	-2.9	11.8	-11.5	-0.5	12.8	-11.5	-0.5	12.8	-11.5	12.8	-11.5	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
07 18	3.4	2.9	1.8	9.7	9.7	-1.1	12.8	12.8	-11.1	11.8	-11.8	-0.5	12.8	-11.8	-0.5	12.8	-11.8	12.8	-11.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
07 24	1.2	0.8	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
08 00	1.1	0.9	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
08 06	1.1	0.9	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
08 12	1.1	0.9	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
08 18	1.1	0.9	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
08 24	1.1	0.9	-0.5	12.8	12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
09 00	19.5	-1.8	-1.8	8.3	-5.6	-5.6	12.8	-12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4						
09 06	1.2	-0.5	-0.5	12.8	-12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
09 12	1.2	-0.5	-0.5	12.8	-12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
09 18	1.2	-0.5	-0.5	12.8	-12.8	-12.8	12.8	-12.8	12.8	-12.8	-0.5	12.8	-12.8	-0.5	12.8	-12.8	12.8	-12.8	-0.5	1.1	3.9	3.9	-0.5	6.8	6.8	-0.4	17.7	17.7	-0.4	13.3	13.3	-0.4							
09 24	1.2	-0.5	-0.5	12.8</																																			

Spis tablic

Dzien/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01/00	6.3	-3.0	5.5	10.0	2.4	9.7	7.4	-1.4	-7.3	4.0	-4.0	-0.2	15.2	4.6	-14.4	12.9	10.9	5.9	-3.4	1.5	7.8	6.8	-3.8	4.1	2.1	3.6	8.8	5.9	-6.5	12.3	10.5	6.6	9.7	3.4	-5.1													
01/06	5.4	-2.6	12.1	7.7	4.1	11.5	5.5	-1.5	-2.5	-2.5	-0.6	-0.9	14.1	5.5	-6.5	8.0	5.0	-4.0	3.3	1.5	3.1	2.8	1.3	-2.2	6.2	5.5	-5.9	11.9	9.0	-7.7	11.3	6.7	-0.7	7.0	6.8	-1.7												
01/12	1.1	0.9	8.6	12.7	4.5	11.9	5.0	-1.1	-0.9	7.0	-7.0	-0.2	5.1	-3.7	-10.4	11.9	8.7	-8.1	10.0	-6.8	6.6	11.4	-9.2	-6.7	4.0	0.5	7.1	-7.1	1.1	13.2	12.7	3.9	7.0	6.8	-1.7													
01/18	1.0	0.0	1.0	12.7	11.5	12.5	4.4	-0.4	-4.4	5.5	-5.5	-1.9	1.0	-2.4	-2.6	9.9	7.7	-6.3	12.9	-5.8	11.6	11.8	-8.2	-8.4	-1.1	7.0	-0.2	9.4	-0.1	3.1	-7.8	11.8	11.8	0.6	3.2	2.8	-1.5											
02/00	1.6	0.0	1.6	20.0	19.4	4.7	3.7	-0.3	-3.7	6.6	-6.3	-2.0	1.0	2.0	1.2	9.0	8.0	-4.2	10.9	-0.6	10.9	13.9	-10.6	-9.0	9.4	0.0	2.5	9.4	-5.1	7.9	-12.1	11.8	3.0	3.4	2.3	-2.6												
02/06	6.7	-3.7	5.6	23.4	21.7	-8.8	2.3	-0.1	-2.3	3.9	-3.7	-1.2	2.5	2.3	1.0	5.8	5.3	-2.5	4.4	1.3	4.2	14.2	-10.9	-9.1	11.0	10.9	4.6	10.0	8.2	-5.9	10.9	10.5	3.0	4.4	3.3	-3.8												
02/12	8.5	-4.5	7.2	18.8	16.3	-9.5	-1.6	-0.5	-1.5	7.3	-7.2	-1.3	4.3	-0.2	4.3	4.1	2.8	-3.0	6.7	1.9	-6.4	12.9	-8.4	-9.3	9.6	9.8	5.0	13.2	10.8	-5.9	9.4	8.2	4.6	7.2	2.9	-5.1												
02/18	8.7	-3.8	7.9	15.1	13.1	-7.5	2.5	-1.3	-2.2	5.7	-5.7	-0.3	3.5	1.2	3.2	4.9	3.3	-7.7	11.9	5.1	-10.8	12.7	-7.4	-10.4	7.6	6.8	3.3	13.7	13.5	-2.3	8.7	7.7	4.0	5.2	4.2	-4.2												
03/00	4.3	2.0	3.8	10.1	7.7	-6.5	2.8	-2.1	-1.9	6.0	-5.7	-1.7	3.1	1.7	2.6	7.3	6.7	-2.9	13.8	7.4	-11.4	12.2	-9.8	-7.2	4.8	0.0	2.6	16.2	-16.2	-0.6	6.7	5.9	3.3	12.6	12.1	-4.1												
03/06	7.0	7.0	5.0	8.0	7.4	-3.0	1.1	-0.1	-1.1	3.3	-2.7	-1.9	3.5	3.3	1.0	9.3	8.1	-3.9	9.3	6.2	-6.7	12.5	-9.4	-8.3	2.7	2.0	0.2	19.0	18.2	5.3	5.7	3.8	4.2	3.2	1.1	-2.8												
03/12	6.0	5.0	1.0	8.3	4.3	-4.7	7.3	-2.3	-1.1	2.4	-4.3	-3.1	3.0	4.4	1.7	3.5	5.2	-5.1	5.1	-4.2	6.3	4.2	-4.7	10.9	7.5	-0.8	2.7	2.6	-0.8	20.4	18.4	5.3	5.9	3.1	-1.2													
03/18	5.4	1.8	7.5	7.5	4.4	-0.3	8.9	5.1	-0.2	2.3	-12.5	-15.6	-1.1	1.6	-2.5	3.0	3.8	-3.8	5.2	-6.1	1.1	-2.2	1.1	-2.2	-0.1	2.2	-0.1	2.1	-0.1	1.1	1.1	-2.3																
03/24	1.4	0.4	8.8	4.4	4.4	-0.3	8.9	5.1	-0.2	2.3	-12.5	-15.6	-1.1	1.6	-2.5	3.0	3.8	-3.8	5.2	-6.1	1.1	-2.2	1.1	-2.2	-0.1	2.2	-0.1	2.1	-0.1	1.1	1.1	-2.3																
04/00	7.8	0.2	7.8	8.2	4.2	7.0	9.1	8.1	4.2	5.6	2.8	-4.9	15.7	14.9	-4.9	3.6	2.3	-2.8	8.8	2.4	8.4	7.6	-4.4	5.3	4.7	-2.3	25.3	20.7	14.5	12.5	2.0	12.5																
04/12	5.4	1.6	5.2	8.9	4.0	7.9	11.2	11.2	0.2	5.6	-2.0	-5.2	14.6	7.4	-7.4	3.8	1.3	-3.5	5.8	5.3	-0.5	5.8	7.3	-2.9	-6.7	3.2	3.0	-1.1	23.5	16.5	-16.8	13.9	2.0	13.8														
04/18	11.9	3.9	11.3	8.3	8.2	0.7	9.9	8.0	-5.9	5.6	4.2	-3.8	15.7	15.2	-4.0	1.8	1.5	-0.9	6.2	-1.0	6.1	5.9	-0.9	5.8	-3.8	-0.8	-0.8	19.2	15.6	-11.3	11.6	3.0	12.2	15.2	-4.8													
05/00	9.2	6.2	6.7	8.4	-0.4	14.2	14.8	-3.3	7.0	5.9	-3.9	-0.7	20.7	20.4	-3.3	3.2	1.9	-2.5	2.0	2.0	4.2	4.4	-1.4	5.1	4.8	-1.7	15.2	13.3	-7.4	10.7	2.0	16.7	14.3	-7.3														
05/06	12.2	8.1	9.2	9.8	9.5	-2.7	12.6	12.5	1.3	2.1	-2.4	-3.3	-3.0	4.4	1.7	2.6	-2.5	5.1	-6.7	6.3	4.2	-4.7	10.9	7.5	-0.8	2.7	2.6	-0.8	20.4	18.4	-1.1	10.7	10.0	-1.2														
05/12	15.0	14.5	3.9	12.2	11.3	4.6	1.1	-0.1	-0.1	2.0	-10.7	-7.7	2.5	13.1	-0.3	3.7	3.6	-0.6	6.7	1.0	10.8	12.5	-10.5	10.3	3.0	-1.1	10.7	10.0	3.0	12.3	11.1	-4.1																
05/18	15.3	15.0	-6.5	12.5	12.5	0.2	8.4	5.6	-4.5	8.0	-7.9	-0.8	7.6	7.5	-0.6	12.5	12.5	-0.6	10.6	-4.5	11.5	11.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5																
06/00	14.4	1.3	1.5	9.5	9.3	7.9	7.9	-0.1	-0.1	6.1	-8.1	-7.8	7.9	6.3	-5.6	12.5	12.5	-0.6	10.6	-4.5	11.0	11.0	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5																
06/06	17.1	16.2	-5.4	10.2	9.7	3.3	10.6	4.6	-3.6	10.5	-10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5	10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5	10.5	10.5	-0.5																
06/12	20.6	22.2	-12.6	11.6	8.2	-2.2	2.2	-3.3	-2.9	2.7	-2.6	-1.4	7.9	7.8	-0.8	6.3	6.2	-2.9	2.1	-2.0	2.6	7.1	-2.8	8.6	6.6	-5.5	5.9	5.5	5.9	5.3	5.9	5.3	5.9	5.3	5.9	5.3	5.9	5.3	5.9									
06/18	31.2	26.3	-16.7	11.4	10.6	4.4	-2.8	-2.6	-2.6	6.0	-6.8	-6.4	6.0	6.4	-1.1	11.1	10.6	-3.7	4.1	-3.7	3.7	6.0	-3.7	3.7	3.7	0.1	5.1	-5.1	5.1	-5.1	5.1	-5.1	5.1	-5.1	5.1	5.1	-5.1	5.1	5.1	-5.1								
07/00	25.7	19.9	-16.2	13.4	12.9	-3.6	-3.8	-2.7	2.7	8.5	-2.3	-8.2	6.6	6.5	-0.8	12.9	12.8	1.8	2.8	1.8	2.2	2.1	-2.2	1.6	1.6	7.1	6.8	-18.8	16.6	-8.0	6.3	2.5	5.5	16.1	2.9	2.5	17.3	10.7	-13.4									
07/06	18.2	8.5	-16.0	15.7	14.3	-6.5	5.4	-4.4	-3.4	10.7	-4.6	-9.7	3.0	-2.9	-0.5	11.6	11.5	-2.1	4.4	-2.7	4.6	6.2	-1.7	12.9	10.8	-10.4	10.0	8.1	-10.4	10.0	-10.4	10.0	8.1	-10.4	10.0	-10.4	10.0	-10.4										
07/12	16.0	10.0	-13.7	17.5	17.2	-3.1	6.8	-4.5	-4.5	5.1	-14.2	-9.2	10.8	3.6	-2.1	7.2	7.2	-0.3	4.4	-2.7	4.4	5.1	-1.7	11.1	10.9	-11.9	10.9	-1.1	11.1	10.9	-1.1	10.9	10.9	-1.1														
07/18	13.4	8.0	-10.7	20.4	18.6	-8.4	8.9	-1.1	-1.1	8.3	-13.8	-11.4	11.4	11.4	-0.1	10.4	10.4	-0.1	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1													
07/24	19.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2								
08/00	8.8	-8.4	-2.4	10.5	19.4	15.7	-1.4	-1.4	-1.4	3.5	-3.5	-3.5	5.3	-5.3	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2	5.2	-5.1	-1.2									
08/06	5.3	-4.5	-2.8	12.1	12.1	4.1	-4.5	-2.8	-2.8	2.0	-2.1	-3.7	7.0	-5.7	-5.7	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5	5.5	-5.5	-5.5									
08/12	7.6	3.4	-6.8	10.3	5.8	8.4	8.1	-7.4	-3.3	0.7	-0.6	-0.6	4.2	-4.2	-0.7	6.4	-6.2	-2.6	2.6	-2.1	6.5	-3.5	-4.3	4.9	-3.7	-3.7	4.9	-3.7	-3.7	4.9	-3.7	-3.7	4.9	-3.7	-3.7	4.9	-3.7	-3.7	4.9	-3.7	-3.7							
08/18	3.9	0.7	-3.8	4.9	4.8	6.5	-2.4	-0.5	-0.5	0.2	0.8	-2.8	2.0	-2.1	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1	4.0	-2.8	-2.1									
08/24	18.6	6.5	-6.6	7.6	6.5	5.4	5.3	-0.5	-0.5	5.5	-5.5	-5.5	5.5	-5.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5												
08/30	18.5	6.5	-6.6	7.6	6.5	5.4	5.3	-0.5	-0.5	5.5	-5.5	-5.5	5.5	-5.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5	3.5	-3.5	-0.5												
09/00	11.6	-0.3	-2.9	10.8	-10.2	-0.2	-3.4	-3.4	-3.4	2.3	-2.3	-2.3	1.0	-2.3	-2.3	0.9	-0.9	-0.9	2.3	-2.3	-2.3	0.9	-0.9	-0.9	2.3	-2.3	-2.3	0.9	-0.9	-0.9	2.3	-2.3	-2.3	0.9	-0.9	-0.9												
09/06	11.4	1.0	2.9	6.3	6.3	0.5	-1.2	0.9	2.9	-1.7	-2.3	6.2	5.5	-2.7	9.6	9.5	-1.5	2.7	-0.7	1.1	3.7	-1.7	1.1	3.7	-1.7	1.1	3.7	-1.7	1.1	3.7	-1.7	1.1	3.7	-1.7	1.1	3.7	-1.7											
09/12	11.1	0.8	2.7	8.9	-8.8	-0.5	-0.5	-0.2	1.7	-1.6	-2.3	2.3	2.2	-0.5	7.8	7.7	-1.2	3.2	-0.5	1.7	3.2	-0.5	1.7	3.2	-0.5	1.7	-																					

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Dzień/Godzina			Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00			12.7	12.3	-3.3	12.7	9.0	-9.0	7.9	5.7	-5.5	9.9	-8.7	-4.6	11.1	8.3	-7.4	11.8	-11.3	3.5	12.2	-12.2	0.6	8.3	7.3	-4.0	7.3	-7.2	0.6	9.8	-0.7	9.7	7.1	5.0	5.0	6.0	3.9	-4.6												
01 06			11.2	11.0	-1.7	10.1	6.8	-7.4	7.9	7.7	-1.8	4.7	-4.7	-0.2	11.3	6.3	-9.4	10.9	-9.6	5.2	9.6	-9.5	1.4	7.6	6.8	-3.4	8.1	-7.9	1.7	10.2	-1.1	10.3	6.3	3.1	5.2	9.4	-2.8	8.9												
01 12			11.7	11.5	-3.2	11.4	6.8	-6.0	3.0	2.8	-1.0	9.0	-8.0	6.8	7.1	-2.7	6.6	5.8	-5.6	1.5	10.1	-1.1	-0.6	3.6	-0.5	3.6	8.0	-7.5	2.8	15.8	-4.0	15.3	8.3	-0.3	6.3	12.0	-1.6	12.5												
02 06			9.0	5.0	-7.5	11.0	10.1	-5.4	5.9	-5.0	-3.0	7.4	-5.1	5.4	10.8	8.9	-6.1	1.6	-1.2	-1.0	10.3	-1.2	1.8	12.1	4.8	11.1	6.4	-6.2	1.7	11.5	-3.6	10.9	7.4	3.4	6.6	10.9	3.0	-10.5												
02 18			5.6	4.8	-3.0	10.3	10.0	-3.3	12.5	-9.8	-7.7	10.4	-8.3	6.4	14.2	13.8	-3.4	6.0	-2.7	-5.3	9.6	-9.2	2.7	6.8	6.8	-0.5	7.5	-7.5	0.4	5.7	-1.2	5.5	11.0	10.6	3.0	9.9	4.9	-8.6												
02 12			7.1	4.7	-5.3	14.3	13.4	-5.0	8.6	-7.5	-4.1	9.8	-8.2	5.5	13.6	12.2	-6.0	3.6	-1.0	-3.5	10.3	-9.7	3.5	12.7	12.2	-3.3	7.5	-7.5	0.2	9.6	-2.7	9.2	8.7	8.2	3.1	11.7	4.2	-9.8												
03 00			5.3	2.8	-4.4	17.1	17.1	0.4	16.4	-12.5	-10.6	11.0	-7.8	7.7	17.8	16.8	-6.2	5.0	-1.3	-4.8	8.5	-8.1	2.6	8.0	7.5	-2.9	6.2	-6.2	0.6	3.5	-1.3	3.7	10.8	10.0	4.1	11.7	9.9	-6.3												
03 06			8.8	2.8	-8.3	15.8	14.8	-5.6	19.9	-13.9	-14.2	10.9	-7.5	7.9	19.3	15.4	-11.7	4.3	-2.1	-3.7	8.6	-7.4	2.4	12.3	12.3	-0.8	5.0	-4.9	-0.5	2.1	-0.7	2.0	9.6	8.3	4.8	14.9	13.9	-5.3												
03 12			10.0	9.7	-9.7	20.4	12.9	-5.9	16.9	-11.5	-10.3	10.5	-8.0	6.7	19.3	15.4	-12.2	4.3	-3.1	-3.8	8.8	-7.4	4.4	13.4	12.7	-0.5	5.3	-0.9	-0.5	0.9	-0.1	0.3	14.3	13.4	-4.3															
03 18			0.2	2.5	-3.7	19.9	20.1	-1.1	19.8	-19.9	-19.3	19.9	-19.4	19.4	19.6	19.6	-19.6	1.5	-0.3	-0.2	19.6	-19.6	1.5	19.6	19.6	-1.5	1.5	-0.1	-0.1	0.2	-0.1	0.1	15.1	14.9	-4.6															
04 00			6.4	0.7	-6.4	20.4	9.9	-19.9	7.5	-5.0	-2.9	13.9	-12.6	0.6	4.9	-1.9	-4.5	9.7	-9.6	-0.5	12.8	11.1	-6.5	1.1	-0.5	-1.0	5.1	-6.5	1.2	-3.4	-4.0	19.5	19.0	-4.6																
04 06			4.4	1.5	-4.2	17.0	8.7	-14.7	2.8	-2.7	-0.6	15.0	-9.7	1.4	12.4	9.9	-7.4	4.5	-0.9	-4.4	11.2	-10.6	-3.8	10.3	-3.9	5.5	1.2	-3.3	5.4	5.1	-1.7	9.2	-8.2	4.2	22.3	21.7	-5.1													
04 12			3.1	2.8	-1.1	13.2	9.9	-8.8	7.1	-7.1	-0.5	16.0	-10.9	12.6	14.4	9.1	-0.4	-1.9	4.9	-4.8	8.8	8.2	-3.1	4.4	2.2	-5.2	5.2	3.3	4.0	11.2	-10.3	4.6	25.7	24.3	-8.4															
04 18			6.4	5.8	2.7	11.2	10.6	0.1	15.3	-10.8	10.8	13.2	-9.4	-9.3	7.3	4.5	-4.8	9.5	-7.9	-5.2	6.5	6.5	-0.2	4.0	-0.1	-4.0	7.6	0.5	7.6	12.6	-10.6	6.9	29.2	27.4	-10.2															
05 00			9.8	6.9	6.9	17.4	9.5	-16.6	14.6	-18.6	-15.2	12.8	-10.5	7.3	11.8	10.3	-6.2	5.0	-1.3	-5.7	8.8	-8.4	2.6	8.0	7.5	-2.9	6.2	-5.5	9.8	8.4	4.4	13.4	13.3	-4.3																
05 06			15.0	6.5	13.6	19.1	7.7	17.5	22.0	21.9	-2.4	9.5	-9.0	3.0	12.1	11.5	-3.5	3.8	-2.6	-2.7	10.0	-5.5	-0.5	8.4	11.6	9.3	7.0	6.0	3.4	-5.0	8.5	23.3	20.8	-10.4																
05 12			18.7	18.7	18.4	8.1	6.3	5.1	19.2	19.0	-2.8	8.2	-7.9	-2.1	8.8	8.5	-2.2	4.3	-3.1	-3.0	7.7	-7.4	2.1	4.5	4.5	-0.6	5.7	-2.2	5.3	9.9	1.1	9.9	20.2	16.4	-11.9															
05 18			18.7	18.7	22.8	6.6	-0.9	6.6	6.8	-6.1	8.3	-6.1	4.8	4.5	1.6	12.1	11.5	-3.5	3.8	-2.6	-2.7	10.0	-5.5	-0.5	8.4	11.6	9.3	7.0	6.0	3.4	-5.0	8.5	23.3	20.8	-10.4															
05 24			22.0	19.0	-2.5	12.6	12.6	-0.5	12.6	-12.6	12.6	12.6	-12.6	12.6	12.6	-12.6	12.6	-12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6															
06 00			25.7	8.0	24.4	11.1	-6.5	-0.1	19.0	18.5	-4.4	9.0	-8.0	0.0	5.3	-1.9	4.9	1.6	-9.0	3.0	1.8	-2.5	7.8	6.2	4.8	4.4	3.1	-3.1	2.2	-2.2	0.7	3.9	-1.8	1.4	14.1	6.2	-12.7													
06 06			20.6	7.4	19.3	7.8	2.5	-7.4	20.9	19.6	-7.4	8.8	-0.0	8.8	8.1	-1.5	8.0	7.4	-1.5	1.2	-11.3	2.3	0.9	-2.1	9.1	4.0	2.2	-0.2	4.0	2.0	4.6	-3.0	3.4	-3.1	1.7	13.2	6.3	-11.5												
06 12			21.7	7.7	20.3	4.4	-1.7	4.1	15.8	-15.7	7.3	8.1	-1.9	7.9	5.4	-0.9	5.3	-3.2	2.9	-1.2	6.0	4.7	3.7	1.4	-1.4	-0.3	5.7	-3.5	4.5	2.9	-2.2	1.7	1.9	11.0	7.3	-8.3														
06 18			21.9	7.8	20.5	4.2	4.2	-0.5	12.3	12.3	0.4	7.2	-0.2	7.2	9.2	-0.7	9.2	8.1	-0.7	5.2	-0.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0												
07 00			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
07 06			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
07 12			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
07 18			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
07 24			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
08 00			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
08 06			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
08 12			22.6	1.5	16.4	3.6	3.6	-0.5	12.8	10.5	-0.5	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	-10.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8														
08 18			22.6	1.5	16.4	3.6	3.6	-0																																										

Spis tablic

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v	
01 00	11.0 5.2 9.7	4.2 0.2 -4.2	8.2 -4.0 7.1	5.5 1.9 -5.2	3.3 -2.3 -2.3	6.2 -0.5 -6.2	8.0 8.0 0.4	7.2 -5.4 4.7	6.1 6.0 -0.8	5.1 -4.1 2.9	4.0 -3.9 0.8	8.8 8.8 0.5	
01 08	15.8 15.0 5.2	3.9 -3.5 -3.5	13.9 -4.4 13.2	4.3 1.8 -3.9	2.4 1.2 -1.8	6.2 0.7 -6.2	8.4 8.0 2.5	7.7 6.8 5.7	7.8 1.3 1.3	6.8 -5.1 4.6	8.0 -3.8 4.2	12.3 12.2 -0.7	
01 12	15.2 15.0 5.2	4.7 1.4 -4.5	15.4 1.1 1.1	3.1 1.1 -3.1	2.1 1.2 -2.1	6.1 0.5 -6.1	8.1 8.0 2.5	8.7 6.7 5.7	8.0 1.3 1.3	8.0 1.2 1.2	10.3 10.2 1.7	12.7 12.7 0.5	
01 18	12.4 3.8 11.7	5.9 -0.9 -1.1	-2.4 11.0 -2.3	10.8 1.4 -1.4	0.5 0.2 -0.5	5.2 3.9 6.3	6.3 0.5 -6.3	8.2 8.1 1.2	9.5 -8.7 3.7	8.0 7.2 1.2	8.3 -8.3 0.3	16.9 -6.9 15.4	10.5 1.0
02 00	9.8 2.3 9.5	5.5 5.3 -1.5	10.5 -0.6 10.5	1.1 1.0 -0.3	6.5 4.3 -4.9	5.8 1.5 -5.6	8.1 7.9 2.1	8.8 -8.4 2.8	7.6 7.6 -0.5	9.9 -9.8 -1.6	24.6 -9.1 22.9	9.7 9.5 2.1	
02 12	10.7 -1.8 10.6	1.5 1.3 -0.9	8.7 1.7 8.5	3.4 -1.6 3.0	4.1 4.1 -0.3	4.7 -0.9 -4.7	6.5 4.3 4.9	9.4 -9.4 0.8	10.1 9.5 -3.2	4.6 -4.5 0.9	16.7 2.0 16.6	8.6 6.7 5.3	
03 00	10.0 -3.4 9.4	5.1 -0.6 5.1	8.2 1.8 8.0	4.2 -3.0 3.0	10.2 10.1 1.5	3.7 0.9 -3.6	5.9 5.6 1.9	1.8 -1.7 -0.6	13.5 12.3 -5.7	4.4 -1.9 4.0	14.4 14.2 2.4	13.8 13.8 1.3	
03 06	8.8 4.9 7.3	6.8 0.1 6.8	11.0 0.9 10.9	4.0 -2.7 2.7	2.9 11.3 11.3	0.1 3.0 1.0	19 -2.3 8.5	8.5 -0.8 2.0	0.8 1.8 1.2	12.4 -0.1 5.7	13.7 12.5 5.5	14.7 14.5 2.4	
03 12	8.8 5.8 5.4	9.8 0.0 9.8	11.9 0.0 11.9	6.9 -6.4 2.5	10.8 1.1 -3.1	4.8 -1.3 4.8	1.3 -0.4 1.3	4.0 4.1 1.0	4.1 11.1 7.9	7.8 8.8 -1.2	12.6 12.6 8.2	15.2 15.2 7.2	
03 18	7.9 -3.0 7.7	-1.5 1.5 -0.7	14.6 0.7 0.7	0.5 0.3 0.3	10.3 9.5 9.5	0.5 0.0 0.0	14.3 10.9 2.9	4.0 -0.2 4.7	1.7 1.7 1.7	14.7 14.7 1.5	14.5 14.5 1.5	15.2 15.2 1.5	
04 00	5.6 -5.6 0.0	15.1 1.9 2.9	14.9 -0.7 -0.3	8.7 10.1 -1.0	0.9 10.8 10.3	-3.1 4.7 -4.2	-2.2 8.4 8.4	8.4 0.1 5.1	-0.6 5.1 -1.6	11.6 10.2 -5.5	3.6 -2.3 3.0	11.9 10.2 6.1	10.3 9.5 3.9
04 06	4.5 -4.4 -0.4	16.3 3.2 3.2	16.0 7.7 -2.5	7.3 12.3 -12.3	0.9 1.4 1.4	3.6 -3.6 -0.4	5.4 5.3 -1.0	7.0 -2.6 6.5	7.6 7.2 2.4	11.6 1.5 11.5	16.3 7.7 14.3	20.6 19.4 7.0	
04 12	2.3 -2.2 -0.9	16.3 2.9 2.9	16.3 6.4 -5.7	2.9 14.4 -13.7	-4.3 4.9 4.9	1.2 7.4 -7.4	-0.1 5.2 5.2	3.0 4.3 6.3	4.3 7.2 4.8	5.4 5.3 5.1	1.6 8.5 -0.7	8.4 3.5 5.2	12.5 12.2 1.7
04 18	0.9 0.1 0.9	16.3 3.1 3.1	16.1 4.5 -4.5	0.9 14.4 -13.8	-4.3 3.9 3.5	1.6 6.0 6.0	6.4 2.7 -5.8	7.2 4.8 5.4	5.3 5.1 1.6	1.6 8.5 -0.7	8.4 3.5 5.2	12.5 12.2 2.1	
05 00	4.1 3.4 2.4	15.1 3.4 3.4	14.6 4.9 -4.8	11.1 13.6 -12.5	5.3 7.0 6.9	-1.1 5.3 -5.3	0.4 4.9 4.9	7.2 4.4 5.7	5.4 5.3 4.9	1.6 8.5 -0.7	8.4 3.5 5.2	12.5 12.2 2.1	
05 06	10.2 7.5 7.0	14.1 2.0 2.0	14.0 5.4 -4.7	2.7 11.4 -10.7	-3.9 7.0 6.9	-1.3 6.4 -5.2	3.7 2.4 2.0	4.7 1.1 5.0	9.5 9.0 2.8	9.2 -2.2 9.1	9.1 1.0 4.4	10.4 21.0 20.9	
05 12	16.3 11.3 11.8	11.9 0.7 1.1	11.0 7.9 -7.0	2.8 10.4 -10.4	5.4 5.1 5.1	1.2 7.4 -6.4	4.9 4.8 4.9	1.5 1.5 1.5	1.5 1.5 1.5	1.2 1.2 1.2	1.0 1.0 1.0	22.0 22.0 -0.9	
05 18	19.4 17.7 8.0	11.0 0.0 0.0	10.7 7.4 6.4	3.3 7.3 -7.2	1.2 2.3 -2.0	0.7 1.1 1.1	6.1 5.1 2.0	1.9 0.8 1.1	8.1 8.3 0.2	3.1 3.1 2.7	6.6 6.6 0.2	20.0 19.9 0.9	
05 24	14.4 4.9 8.6	8.2 0.2 0.2	9.7 5.7 -5.7	1.1 11.1 -11.1	-1.1 7.0 6.9	-0.1 6.8 -6.8	0.3 5.1 5.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
06 00	14.4 11.8 -8.2	8.2 1.1 -1.1	6.0 6.7 -5.5	3.8 8.0 7.4	3.1 3.2 2.1	2.5 2.5 4.3	4.3 2.4 -2.4	6.6 7.0 7.0	6.0 6.9 -1.0	2.1 1.0 -0.1	-1.0 12.6 11.0	6.0 9.1 9.1	
06 06	16.9 11.7 -12.1	2.9 -0.5 2.9	8.3 7.5 -7.5	3.6 9.0 -8.0	4.2 3.8 -2.1	3.1 3.9 3.9	3.4 1.9 1.9	9.3 1.6 9.2	9.7 -9.6 1.3	1.3 3.4 3.4	0.2 1.7 -1.6	-0.5 11.7 10.5	5.1 5.1 4.3
06 12	16.5 8.7 -14.0	1.2 0.1 1.2	8.5 7.9 -7.9	3.5 3.2 -3.2	1.5 3.1 3.1	0.8 6.0 6.0	1.5 5.8 5.8	7.8 -7.8 1.3	1.9 3.4 1.4	0.2 4.2 4.2	-3.8 -1.6	10.4 10.0 3.0	2.3 1.9 1.4
06 18	13.0 7.5 -10.7	5.2 -1.0 5.2	8.0 8.0 -7.6	3.7 9.6 -8.6	4.5 3.2 -3.2	1.9 2.1 2.1	2.4 2.7 2.1	2.1 2.1 2.1	2.5 2.5 2.5	1.7 1.7 1.7	1.0 1.0 1.0	2.7 2.7 2.7	
07 00	10.1 2.5 -9.8	13.1 11.0 -7.1	7.1 8.8 -7.8	4.5 11.6 -11.6	8.1 8.4 8.4	0.5 5.9 5.9	3.2 3.2 3.2	3.2 3.2 3.2	3.1 3.1 3.1	2.1 2.1 2.1	0.6 4.6 4.6	1.7 1.7 1.7	
07 12	6.2 3.5 -5.0	14.3 12.3 -12.3	6.2 9.1 -9.1	7.8 4.7 -4.7	11.0 11.3 -11.3	2.9 2.9 2.9	9.2 9.2 -9.2	0.2 0.2 0.2	5.2 1.4 1.4	5.7 4.4 4.4	1.5 0.8 -0.7	-0.2 0.1 0.1	11.2 11.2 5.6
07 18	8.4 -3.4 -7.7	22.5 21.2 -21.9	5.3 -1.4 5.3	15.9 -15.9 -15.9	8.0 8.2 8.2	1.1 9.2 9.2	7.2 7.2 -7.2	8.2 8.2 -8.2	8.2 8.2 -8.2	8.2 8.2 -8.2	8.2 8.2 -8.2	9.7 9.7 5.6	
08 00	2.4 -0.8 -2.3	12.3 12.3 -12.3	10.2 -0.2 8.3	10.3 10.4 -10.4	6.2 6.5 6.5	0.5 5.0 5.0	7.3 7.3 -7.3	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	9.7 9.7 5.6	
08 06	1.9 -0.4 -2.3	14.3 14.3 -14.3	12.5 -0.5 12.5	6.2 6.5 -6.2	5.5 5.5 5.5	0.5 5.0 5.0	7.3 7.3 -7.3	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	9.7 9.7 5.6	
08 12	10.7 -4.8 -9.6	7.1 -1.1 7.1	6.5 -1.1 6.5	8.0 -8.0 -8.0	7.9 -7.9 -7.9	0.5 0.5 0.5	7.3 7.3 -7.3	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	9.7 9.7 5.6	
08 18	11.9 -11.8 -9.6	8.2 -0.5 8.2	8.0 -0.5 8.0	7.9 -7.9 -7.9	8.4 -8.4 -8.4	0.5 0.5 0.5	7.3 7.3 -7.3	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	9.7 9.7 5.6	
08 24	15.4 1.2 -11.8	11.1 -3.9 11.1	8.9 -1.1 8.9	14.5 5.9 -5.9	5.1 5.1 5.1	0.5 11.7 11.7	0.9 0.9 0.9	2.6 2.6 2.6	2.6 2.6 2.6	2.6 2.6 2.6	2.6 2.6 2.6	2.6 2.6 2.6	
09 00	12.5 7.5 9.9	9.1 8.7 -8.7	-2.7 15.5 -15.5	9.1 -0.1 9.1	1.0 1.0 1.0	0.5 10.5 10.5	0.6 4.6 4.6	4.4 -1.2 5.6	2.9 2.9 4.8	4.8 3.7 3.7	3.1 3.5 1.8	-0.3 10.5 10.5	1.0 1.0 1.0
09 06	7.7 -2.0 -7.5	14.2 13.3 -13.3	4.9 -14.0 -14.0	7.5 -7.5 -7.5	11.6 14.9 -14.9	-10.3 10.3 10.3	6.8 6.8 6.8	7.3 1.4 7.4	6.9 13.0 2.5	2.5 2.5 2.5	0.2 9.8 3.1	8.4 -0.7 8.3	8.5 8.5 0.8
09 12	9.6 -6.2 -7.3	16.3 15.9 -15.9	16.3 -9.3 -9.3	12.6 -12.0 -12.0	9.3 -12.0 -12.0	1.2 1.2 1.2	9.2 -9.2 -9.2	10.4 -9.7 10.4	9.2 2.3 2.2	1.8 -1.3 1.8	1.3 1.3 1.3	1.4 1.4 1.4	
09 18	9.7 -4.9 -8.3	21.3 21.2 -21.2	4.6 -15.9 -15.9	8.3 -7.7 -7.7	13.3 -13.3 -13.3	0.5 0.5 0.5	9.7 -9.6 -9.6	10.2 -9.5 10.2	10.2 2.1 2.1	1.6 2.1 2.1	1.6 1.6 1.6	1.6 1.6 1.6	
09 24	10.6 -3.4 -7.7	22.5 22.5 -22.5	21.9 -5.3 -5.3	5.3 -15.4 -15.4	8.0 -8.0 -8.0	0.5 0.5 0.5	9.7 -9.6 -9.6	10.2 -9.5 10.2	10.2 2.1 2.1	1.6 2.1 2.1	1.6 1.6 1.6	1.6 1.6 1.6	
10 00	10.6 -2.1 -1.4	21.3 21.3 -21.3	11.2 10.4 -10.4	10.6 -2.1 -2.1	12.7 12.7 -12.7	0.5 0.5 0.5	9.7 -9.6 -9.6	10.2 -9.5 10.2	10.2 2.1 2.1	1.6 2.1 2.1	1.6 1.6 1.6	1.6 1.6 1.6	
10 06	10.1 1.0 -1.7	20.6 -16.9 19.9	10.1 5.5 -5.5	5.5 8.8 8.8	1.5 7.9 -7.9	0.5 0.5 0.5	9.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	
10 12	16.3 -1.5 -7.3	16.3 -15.6 15.6	4.5 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	0.5 0.5 0.5	9.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	
10 18	21.1 -0.7 2.0	13.0 1.1 1.1	-1.7 13.1 13.1	-1.1 1.1 1.1	-1.1 1.1 1.1	0.5 0.5 0.5	9.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	2.8 2.8 2.8	
10 24	20.0 -0.6 20.8	8.8 8.8 8.8	0.5 11.8 11.8	3.1 3.1 3.1	6.6 6.6 6.6	-1.7 3.1 3.1	4.8 -1.8 4.8	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	
10 30	20.8 -0.6 20.8	8.8 8.8 8.8	0.5 11.8 11.8	3.1 3.1 3.1	6.6 6.6 6.6	-1.7 3.1 3.1	4.8 -1.8 4.8	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	3.7 3.7 3.7	
10 36	16.9 -1.1 16.8	11.5 10.5 10.5	4.5 7.0 7.0	2.4 3.6 3.6	3.6 3.6 3.6	0.0 1.0 1.0	11.9 -1.1 11.9	4.4 4.4 4.4	2.6 2.6 2.6	1.7 1.7 1.7	1.7 1.7 1.7	1.7 1.7 1.7	
10 42	10.7 5.7 9.1	13.1 1.1 1.1	-0.1 17.3 17.3	-1.1 13.1 13.1	-1.1 13.1 13.1	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.7	5.0 4.7 4.7	1.0 1.0 1.0	
10 48	15.7 9.1 11.3	11.1 1.1 1.1	-0.1 15.3 15.3	-1.1 15.3 15.3	-1.1 15.3 15.3	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.7	5.0 4.7 4.7	1.0 1.0 1.0	
10 54	16.4 14.7 7.3	10.2 10.2 10.2	0.9 4.4 4.4	-0.1 14.6 14.6	-0.1 14.6 14.6	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.7	5.0 4.7 4.7	1.0 1.0 1.0	
10 60	19.9 15.4 4.5	4.5 1.3 1.3	-1.1 15.3 15.3	-1.1 15.3 15.3	-1.1 15.3 15.3	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.7	5.0 4.7 4.7	1.0 1.0 1.0	
10 66	11.8 1.1 1.1	-1.8 9.5 -9.5	0.9 14.4 -13.9	-0.4 9.4 -9.4	-0.4 9.4 -9.4	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.7	5.0 4.7 4.7	1.0 1.0 1.0	
10 72	22.0 3.1 3.1	-1.9 2.5 2.5	-0.7 14.9 -14.9	-0.2 6.3 6.3	-0.2 6.3 6.3	0.5 0.5 0.5	7.9 -2.4 7.9	6.8 3.4 8.8	5.9 -8.8 4.3	7.7 5.0 4.			

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Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
	V	u	V	u	v	V	u	v	V	u	v	V	u	v	
01 00	3.8	0.7	13.4	13.2	-2.4	10.4	4.0	-0.6	8.7	5.8	-6.5	11.1	-10.9	-1.5	
01 08	5.5	5.2	11.8	11.6	2.4	6.4	-6.6	1.8	9.8	-6.7	10.4	-10.4	-0.6	3.3	
01 12	4.9	1.9	4.2	4.0	1.1	5.2	11.7	0.1	10.3	3.3	3.4	10.2	-10.2	-0.6	
01 18	6.2	3.2	5.3	5.0	0.2	10.9	12.2	8.4	-8.9	3.4	-2.5	2.2	10.2	-10.1	-0.6
02 00	6.5	4.0	5.1	12.4	-0.4	12.4	9.8	-8.1	5.1	2.5	-0.6	2.4	8.6	-8.5	-0.9
02 06	8.2	3.5	7.4	12.4	3.5	12.4	9.8	-8.4	-5.1	4.5	2.2	-3.9	8.4	-7.6	-3.7
02 12	7.3	1.8	7.0	15.0	9.4	11.7	6.6	5.8	-3.0	4.7	3.9	2.8	10.0	-8.1	5.8
02 18	10.4	0.7	10.4	10.7	8.1	7.1	5.5	5.3	1.2	3.2	3.2	0.5	10.9	-6.4	8.8
03 00	14.4	-0.7	14.3	7.1	5.2	4.8	4.8	3.5	2.8	2.3	-2.3	0.2	10.5	-4.6	9.5
03 06	20.7	-2.7	20.6	3.9	3.0	2.4	4.3	4.3	0.5	7.7	-7.4	2.2	12.3	-3.1	11.9
03 12	25.7	-4.6	25.2	1.9	1.3	1.1	5.3	4.9	-2.0	1.9	-4.7	1.4	11.0	-1.0	10.8
03 18	19.6	-0.5	19.6	1.9	1.9	1.9	1.9	1.9	-0.4	1.1	-2.4	0.4	10.0	-2.5	10.3
04 00	7.4	2.9	6.8	8.4	6.3	-5.6	6.3	4.6	-4.2	8.1	8.1	0.4	2.4	-1.4	-2.0
04 06	7.5	1.0	7.4	11.0	9.5	-5.4	9.4	7.3	-5.9	5.7	5.6	1.2	4.8	-4.0	-2.7
04 12	9.2	-2.7	8.8	9.4	9.2	-1.8	13.0	11.8	-5.4	6.1	5.1	-3.4	16.0	-0.9	-1.4
04 18	9.3	1.6	9.2	6.5	6.5	-0.2	16.9	15.8	-5.9	9.7	9.6	-1.7	2.5	-0.3	2.5
05 00	8.7	8.1	3.3	7.3	2.8	-1.6	14.6	13.8	-5.4	6.9	6.8	-0.7	5.5	-0.6	5.4
05 06	7.2	5.9	4.1	10.1	3.7	-9.3	11.1	6.8	-8.9	7.9	7.9	-11.4	11.0	-0.4	11.0
05 12	4.6	1.9	4.2	10.1	3.7	-7.6	10.1	4.4	-9.1	15.5	-5.0	-14.6	16.8	-1.9	16.7
05 18	5.5	3.5	4.2	8.7	7.9	-3.5	1.0	7.4	-8.5	15.5	-1.0	-14.0	14.4	-0.6	14.0
05 24	10.0	0.5	10.0	1.9	1.9	-0.4	16.4	15.8	-5.4	10.0	9.8	-0.7	11.0	-0.5	11.0
06 00	12.8	12.3	3.5	12.2	7.0	10.0	14.2	11.2	-8.7	11.6	11.6	-0.5	7.0	-6.5	12.7
06 12	12.4	10.4	6.8	18.3	8.0	16.5	13.8	11.1	-8.2	8.8	8.8	0.1	4.8	-3.4	-3.4
06 18	14.4	5.9	13.1	20.9	8.8	18.0	13.7	12.2	-6.4	5.9	5.4	3.8	6.6	-5.6	14.4
07 00	13.2	2.7	12.9	16.4	12.6	10.5	17.0	15.0	-8.0	10.8	9.9	10.1	5.2	-2.0	12.4
07 06	9.4	4.0	8.5	13.3	11.7	6.5	14.9	12.5	-8.2	10.1	8.1	6.0	8.5	-7.6	12.4
07 12	6.0	3.3	5.0	11.0	7.7	11.2	14.6	12.5	-8.2	10.1	8.1	6.0	8.5	-7.6	12.4
07 18	4.1	2.1	3.5	13.6	10.4	8.7	11.6	12.8	-7.8	11.2	11.2	-1.9	7.9	-2.1	12.4
08 00	3.4	3.4	0.1	9.8	5.9	2.2	6.2	5.8	-2.4	7.3	7.3	-1.2	11.7	-0.4	11.6
08 06	5.0	3.4	1.1	9.4	5.9	4.1	5.7	2.0	-0.5	9.9	9.9	-2.0	12.8	-0.5	12.8
08 12	7.4	5.8	4.6	7.3	5.3	-7.4	4.7	-1.2	-3.5	6.3	6.3	-0.7	1.7	-1.4	7.6
08 18	9.9	3.0	9.0	8.1	7.5	-2.9	12.0	7.7	0.2	9.2	9.3	0.0	2.0	-1.3	7.6
09 00	8.2	3.0	7.6	8.5	0.8	15.1	10.3	11.1	9.2	9.3	9.3	-0.6	6.2	-2.9	12.4
09 06	5.3	3.2	4.3	14.1	6.2	12.7	14.2	14.9	-9.9	10.2	10.5	9.9	3.3	4.2	-2.1
09 12	8.0	6.0	5.3	16.7	2.5	16.5	13.2	8.4	-0.2	11.6	6.5	0.5	0.7	-0.3	3.3
09 18	9.1	5.4	7.3	11.7	-3.4	11.2	14.6	12.6	-8.7	10.8	6.3	0.0	3.9	-3.9	12.4
10 00	9.0	5.2	7.3	7.8	-7.8	1.1	10.8	7.1	-8.1	8.1	8.1	6.3	-5.0	-2.1	12.4
10 06	10.2	7.3	7.1	11.7	-7.8	-8.7	10.1	4.4	-3.7	10.4	10.4	1.0	3.1	-3.1	12.4
10 12	10.2	7.3	7.0	11.7	-7.8	-8.7	10.1	4.4	-3.7	10.4	10.4	1.0	3.1	-3.1	12.4
10 18	10.4	6.5	8.2	7.4	-0.5	8.2	8.8	7.8	-2.7	1.5	1.5	-1.4	11.8	-1.6	12.4
10 24	9.8	5.1	8.4	14.1	13.4	-0.4	10.6	9.8	-1.3	9.7	9.7	-2.4	10.2	-0.1	11.6
11 00	9.8	5.1	8.4	14.1	13.4	-0.4	10.6	9.8	-1.3	9.7	9.7	-2.4	10.2	-0.1	11.6
11 06	6.2	3.5	5.1	15.9	14.9	4.1	16.1	14.4	-7.7	8.8	8.8	-1.3	10.3	-0.1	11.6
11 12	4.3	4.0	-1.7	12.2	12.2	4.2	14.5	12.1	-7.9	6.4	6.4	-1.9	11.2	-0.1	11.6
11 18	7.8	3.3	7.0	9.6	9.4	1.5	12.5	10.2	-7.2	4.0	4.0	-2.5	11.2	-0.1	11.6
12 00	9.4	3.0	-8.9	10.3	10.3	-1.2	16.9	14.5	-8.7	12.4	12.4	-1.7	11.2	-0.1	11.6
12 06	11.8	2.8	-11.5	5.2	5.2	-0.3	16.7	16.5	-2.1	1.8	1.8	-0.5	11.5	-0.1	11.6
12 12	7.2	2.2	1.1	10.2	7.8	-7.8	7.1	-7.1	15.9	15.9	1.6	-0.5	11.5	-0.1	11.6
12 18	7.2	2.2	1.1	10.2	7.8	-7.8	7.1	-7.1	15.9	15.9	1.6	-0.5	11.5	-0.1	11.6
12 24	12.2	1.1	12.2	12.2	12.2	12.2	12.2	12.2	-1.5	12.2	12.2	-1.5	12.2	-0.1	12.2
13 00	6.0	5.1	-3.2	4.8	3.9	-2.8	24.1	18.0	16.0	11.3	11.3	0.5	5.5	-5.5	12.2
13 06	11.9	11.6	2.7	3.9	3.9	-0.6	21.5	19.7	-19.2	10.5	10.4	-1.6	2.4	-1.9	12.2
13 12	18.1	18.1	-0.2	1.4	1.4	-0.9	16.6	12.2	-14.4	7.8	7.8	-3.3	10.5	-3.7	12.2
13 18	14.4	14.3	-2.2	2.4	1.1	0.8	12.0	11.7	-1.1	3.0	2.9	-0.7	12.0	-0.3	12.2
14 00	10.0	9.6	-2.6	4.6	4.3	1.6	8.5	5.3	-6.6	4.7	4.7	-1.5	11.5	-1.5	12.2
14 06	7.9	5.1	-6.0	8.5	2.1	4.3	4.3	0.3	3.7	2.2	2.2	-3.2	12.0	-0.3	12.2
14 12	10.5	5.0	-9.3	12.0	12.0	-1.1	6.0	5.5	-2.4	1.6	1.6	-0.6	12.0	-0.3	12.2
14 18	10.8	4.9	-9.4	13.6	13.3	-2.6	12.8	9.8	-2.6	8.0	8.0	-1.1	12.0	-0.3	12.2
14 24	10.0	4.9	-9.4	14.6	14.3	-0.3	16.3	15.8	-1.5	8.0	8.0	-1.1	12.0	-0.3	12.2
15 00	13.8	11.4	-7.7	12.4	12.4	-1.7	17.4	16.5	-1.7	8.0	8.0	-1.1	12.0	-0.3	12.2
15 06	6.0	5.1	-3.2	4.8	3.9	-2.8	24.1	18.0	16.0	11.3	11.3	0.5	5.5	-5.5	12.2
15 12	15.4	12.7	-8.8	6.0	5.7	-0.5	19.2	17.9	-19.2	8.5	8.5	-0.6	12.0	-0.3	12.2
15 18	12.0	9.7	-7.1	3.3	3.0	-2.3	9.5	7.7	-2.7	10.2	10.2	-0.7	12.0	-0.3	12.2
15 24	9.5	6.0	-7.3	1.4	1.4	-0.6	9.6	7.3	-2.7	10.2	10.2	-0.7	12.0	-0.3	12.2
16 00	6.4	4.4	-4.7	8.5	1.8	-3.2	21.2	17.7	-11.6	4.5	4.5	-0.6	12.0	-0.3	12.2
16 06	12.2	1.1	-0.5	1.1	1.1	-0.5	11.5	11.5	-1.1	4.5	4.5	-0.6	12.0	-0.3	12.2
16 12	19.8	6.7	-1.5	0.5	0.5	-0.5	14.7	14.7	-1.5	4.5	4.5	-0.6	12.0	-0.3	12.2
16 18	22.6	3.6	0.8	-0.7	0.4	10.7	13.1	-11.8	3.1	4.1	4.1	-0.6	12.0	-0.3	12.2
16 24	5.4	-2.5	4.8	-1.6	0.8	6.7	2.0	-12.8	2.2	4.8	4.8	-0.6	12.0	-0.3	12.2
17 00	3.4	2.7	3.0	3.3	3.0	-1.1	12.0	12.0	-1.1	2.2	2.2	-0.6	12.0	-0.3	12.2
17 06	4.8	4.5	1.5	-0.7	0.5	-0.5	15.7	14.7	-1.5	4.7	4.7	-0.6	12.0	-0.3	12.2
17 12	5.0	-4.1	-1.1	0.7	0.7	-0.7	16.1	15.9	-1.7	4.7	4.7	-0.6	12.0	-0.3	12.2
17 18	12.7	2.4	-0.6	10.9	9.6	-0.5	17.4	17.4	-1.5	4.7	4.7	-0.6	12.0	-0.3	12.2
17 24	0.4	0.4	0.0	11.0	9.4	-0.5	15.3	13.5	-1.2	6.4	6.4	-0.6	20.0	-0.3	12.2
18 00	2.1	1.8	-1.0	11.0	10.3	-0.5	17.3	16.9	-1.2	6.4	6.4	-0.6	20.0	-0.3	12.2
18 06	2.8	2.7	-0.8	9.1	8.5	-0.2	12.2	17.7	-1.1	6.4	6.4	-0.6	20.0	-0.3	12.2
18 12	4.5														

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v
01 00	19.2 5.4 18.4	8.3 6.8 4.8	6.1 0.0 -6.1	10.7 9.9 -4.1	6.8 3.6 -5.7	4.3 4.2 -0.8	8.4 7.0 -4.6	5.4 5.0 2.2	10.5 2.1 -10.3	9.1 0.1 9.1	2.2 -0.8 2.1	13.3 -0.2 12.7
01 08	21.6 14.3 16.2	7.3 5.1 5.1	3.7 -1.2 -3.5	9.9 9.9 0.5	4.4 3.8 -2.3	10.7 9.7 -3.0	9.2 7.9 -4.7	7.5 7.4 -0.9	9.8 3.6 -9.1	10.3 -0.5 10.3	9.4 -4.8 -2.8	10.5 0.4 -10.5
01 16	25.2 25.0 -3.6	8.3 3.2 7.7	0.6 -0.3 -0.5	12.5 10.5 6.7	6.7 5.6 -2.5	4.8 4.6 -2.5	7.8 7.0 -3.4	11.6 9.8 -6.2	6.0 4.2 -4.3	5.4 -0.2 5.4	10.0 -8.1 -5.9	9.3 3.6 -8.6
02 04	15.7 12.7 -9.4	8.8 6.0 6.5	0.8 0.2 0.8	11.1 10.5 3.6	4.9 3.6 -3.3	2.2 2.1 0.4	9.1 8.8 -2.4	13.2 11.3 -6.8	7.5 6.9 -2.9	4.2 0.4 4.2	9.2 -8.3 -3.9	10.4 7.7 -7.1
02 12	13.3 7.8 -10.8	8.7 6.7 4.4	3.3 1.2 3.1	13.4 13.4 1.3	1.2 1.1 -0.4	1.4 -1.1 -0.3	10.6 10.6 -0.8	9.1 8.2 -3.8	8.8 8.6 -2.2	7.2 -0.5 7.1	1.8 -1.8 -0.1	17.5 15.1 -8.8
03 00	15.7 12.1 -10.1	5.6 5.6 0.0	4.9 0.8 0.8	16.6 15.9 1.4	6.7 6.1 -2.9	4.7 -3.9 -2.6	11.1 11.0 1.8	7.3 5.8 -4.4	8.5 7.8 -3.3	8.6 -0.4 8.6	2.6 0.9 2.5	18.3 17.0 -6.9
03 08	10.9 9.2 -5.9	6.5 6.5 0.0	0.0 7.1 7.1	18.8 18.8 12.7	5.9 5.2 2.7	5.2 4.3 -2.9	8.7 8.4 -5.7	5.7 4.1 -4.0	5.9 5.6 -1.7	8.2 0.3 8.2	3.8 0.9 3.7	16.4 14.7 -7.3
03 12	6.9 5.9 -5.6	7.8 6.3 0.3	0.3 7.5 0.2	16.4 12.4 7.4	7.4 7.4 0.4	8.1 6.2 -5.2	5.7 5.0 -4.8	3.3 1.1 -3.0	1.6 0.3 0.5	9.5 0.4 9.5	0.8 0.4 4.3	13.2 13.0 -4.0
03 16	0.2 4.2 -4.5	6.6 5.9 0.1	1.1 0.2 0.2	7.1 6.9 0.5	5.9 5.9 -0.5	5.0 4.9 -0.5	6.9 6.1 -0.4	1.1 1.1 -0.3	1.1 0.2 0.2	4.2 0.2 4.2	3.3 1.1 -3.1	11.9 11.1 -4.7
04 00	8.3 7.4 -3.8	14.7 12.4 8.0	5.5 -0.7 5.4	17.2 10.0 14.0	4.9 -0.2 2.8	7.5 3.0 -6.8	9.5 2.1 0.9	0.6 0.6 0.7	7.8 0.6 7.8	5.6 1.7 5.4	6.0 -0.7 5.9	10.6 10.2 -3.1
04 06	10.0 9.7 -2.5	18.4 16.9 7.4	6.0 -4.4 4.0	16.5 10.3 12.9	6.0 -5.9 0.0	8.1 4.7 -6.6	12.0 2.3 11.8	4.4 -0.2 4.4	10.9 0.7 10.9	4.8 1.7 4.5	8.7 -0.8 8.6	11.1 9.9 -5.0
04 12	12.9 11.6 -5.5	18.1 16.8 6.5	-6.5 6.5 -6.4	0.9 9.0 8.4	3.2 6.3 -4.1	-4.9 11.0 6.8	-8.7 7.5 2.9	6.9 5.8 -0.8	5.8 9.2 1.2	9.1 3.6 1.1	3.4 9.0 -0.8	8.9 12.5 10.0 -7.6
04 18	11.1 9.1 -6.3	17.7 16.4 6.6	-6.6 4.6 -4.3	-1.7 9.1 4.2	8.1 5.0 0.1	-0.5 11.8 8.2	-8.5 5.9 1.7	5.6 0.6 -0.6	-0.3 3.6 2.1	2.9 1.7 0.2	1.7 1.0 1.7	10.1 -1.2 10.0
05 00	10.4 9.1 -5.1	16.1 16.0 1.6	-1.6 8.7 -7.2	-4.9 6.7 1.3	6.6 5.2 3.1	-4.3 15.0 5.2	-9.7 11.4 8.5	4.1 5.1 4.0	-4.0 5.9 5.6	-5.7 8.2 0.3	8.2 3.8 0.9	3.7 16.4 14.7 -7.3
05 06	12.8 10.7 -7.0	14.0 11.8 9.1	6.9 5.5 -4.2	5.5 1.0 5.4	5.6 4.2 -3.7	16.2 -12.7 10.1	11.2 5.9 9.5	3.0 2.0 2.2	8.9 3.2 8.3	0.5 0.5 0.5	0.2 11.9 -2.9	11.6 8.2 2.2 -7.9
05 12	16.7 15.7 -6.4	23.8 8.9 5.2	2.3 8.6 -8.5	8.6 6.9 5.1	4.6 2.3 -3.8	19.0 -13.8 13.2	10.4 5.0 7.5	2.6 3.7 2.2	8.7 5.5 4.2	0.9 -0.9 0.8	4.7 4.8 3.2	13.6 5.9 -6.3
05 18	17.4 15.1 -6.4	20.1 28.0 10.3	12.9 -12.8 1.9	8.1 7.3 -7.3	3.4 2.1 -0.6	16.3 -13.9 12.9	20.9 6.9 7.5	3.3 3.2 3.3	11.8 10.6 5.2	3.4 0.1 -3.1	3.1 17.6 -3.0	17.6 6.1 -5.8
05 24	12.9 7.3 -7.6	6.3 6.9 5.5	-5.5 1.7 1.5	8.5 5.5 -5.2	5.2 3.2 -1.5	15.8 12.3 9.4	9.4 5.1 4.0	4.2 4.0 4.0	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	14.8 11.1 -5.7
06 06	20.9 20.1 -5.7	11.8 6.6 -9.8	-13.3 15.8 11.0	2.6 2.5 0.1	4.0 3.2 -2.4	16.3 -17.1 11.4	10.1 6.9 7.4	4.3 4.3 2.8	2.8 1.4 2.8	5.4 2.0 5.4	2.6 5.0 -1.7	4.7 18.6 -8.2
06 12	16.1 16.0 0.2	12.7 4.2 -2.0	15.3 -5.5 -14.2	2.9 1.2 -2.7	6.3 0.8 6.3	15.9 -10.7 11.8	9.3 6.7 6.3	3.7 3.7 0.0	17.2 16.6 4.4	6.1 -2.2 -5.7	17.9 -10.0 14.8	14.5 12.5 -7.3
06 18	12.9 11.7 -5.3	7.5 3.8 -6.4	13.5 3.1 -1.1	6.5 0.3 -0.5	10.8 12.3 1.6	13.4 -7.8 10.6	6.6 4.1 5.1	3.6 2.9 2.9	8.7 8.7 8.7	2.2 5.7 2.2	5.7 0.5 -5.7	18.9 -8.5 16.9
07 00	11.9 7.6 -9.2	6.1 5.8 2.0	10.0 4.0 -9.1	9.3 -1.4 -1.4	14.5 1.4 14.4	11.3 6.3 -9.3	6.6 3.6 5.5	3.0 2.8 0.9	10.9 11.6 8.7	4.1 1.1 4.8	-2.8 4.0 -2.8	20.3 -10.8 17.3
07 06	10.7 2.0 -10.5	10.7 8.0 7.4	7.2 4.7 4.2	7.3 1.7 7.1	7.1 11.9 0.9	11.9 7.1 7.1	7.5 4.0 4.0	4.0 4.0 4.0	4.2 1.0 4.0	1.2 14.6 7.6	2.6 5.0 -2.4	4.3 15.0 -7.1
07 12	7.3 0.4 -7.3	12.8 8.3 9.3	9.3 4.2 1.7	3.8 5.8 4.2	4.3 2.9 0.0	6.2 1.9 6.0	6.9 4.6 1.6	14.2 -7.6 7.5	11.9 14.6 14.5	2.0 -2.4 2.0	4.3 4.3 1.6	13.2 9.7 6.0
07 18	4.1 4.1 0.0	13.1 7.8 1.3	1.1 2.9 1.1	2.0 1.7 1.7	2.4 9.8 7.5	6.2 5.0 5.0	6.7 4.1 -5.4	5.3 3.5 0.9	7.9 7.9 7.9	5.4 1.7 5.7	3.7 3.5 3.7	13.8 -6.3 12.3
08 00	10.4 9.9 3.0	14.0 8.1 8.1	11.3 3.5 2.1	3.5 1.1 1.1	13.8 8.1 1.1	11.1 4.1 3.2	6.3 3.3 2.2	6.3 2.1 2.1	21.4 11.9 8.0	8.0 8.0 8.0	2.3 2.1 2.3	11.2 6.1 9.3
08 06	14.4 14.0 -3.7	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
08 12	14.4 14.0 -3.7	8.8 8.8 8.2	-1.1 12.4 8.6	9.0 9.0 0.0	1.6 1.4 -1.4	8.4 6.1 -5.7	1.3 1.3 1.3	1.3 1.3 1.3	1.3 1.3 1.3	1.3 1.3 1.3	1.3 1.3 1.3	1.3 1.3 1.3
08 18	10.3 1.3 -1.3	10.3 10.0 1.0	2.5 4.2 2.2	-3.6 14.9 8.9	11.9 1.3 -1.0	1.0 9.8 9.8	2.7 0.9 2.9	15.7 15.6 1.7	-1.1 12.1 11.8	-2.6 3.0 2.3	-2.0 15.0 10.3	10.9 12.6 2.2
09 00	9.5 8.5 8.7	8.3 8.7 8.3	-0.6 0.8 0.5	0.0 12.0 9.0	7.9 2.5 1.0	11.2 10.0 5.1	-3.6 5.6 5.6	4.0 -0.3 3.6	1.2 1.1 1.2	1.6 1.1 1.6	1.1 1.1 1.1	1.1 1.1 1.1
09 06	12.2 8.4 8.8	7.8 3.9 -6.8	6.2 0.0 6.2	6.2 13.1 11.9	5.5 1.1 -0.5	1.0 6.7 6.7	5.6 -3.8 3.0	3.7 0.3 3.7	16.3 15.6 1.6	9.2 8.8 5.3	3.5 2.5 1.6	16.2 17.0 8.2
09 12	16.6 9.0 14.0	8.2 3.5 2.5	-7.3 13.7 0.6	13.7 10.1 9.6	9.3 6.2 3.0	5.2 0.1 -2.2	7.0 3.0 -1.2	10.9 10.7 2.3	2.3 2.3 2.3	0.1 1.7 0.1	17.7 15.7 3.9	18.0 17.5 4.2
09 18	14.4 11.4 8.8	6.6 3.5 3.5	-5.4 18.4 -1.2	18.4 6.3 6.3	-0.6 4.1 4.4	0.4 -1.1 3.8	5.2 0.1 -2.2	10.3 11.2 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
09 24	13.5 12.5 5.1	7.3 3.1 2.6	1.6 21.6 2.1	18.6 2.1 18.4	3.9 0.3 0.3	6.0 3.1 5.2	2.2 0.1 -2.2	7.0 3.0 -0.3	10.9 10.7 2.3	2.3 2.3 2.3	0.1 1.7 0.1	17.8 17.4 4.2
10 00	12.8 7.9 10.0	13.7 13.7 1.1	-0.5 14.8 4.1	4.7 4.4 4.4	1.6 10.4 1.4	-0.3 1.0 1.0	3.8 2.7 3.7	3.8 0.6 3.8	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
10 06	12.0 11.0 11.0	13.7 13.7 1.1	-0.5 14.8 4.1	4.7 4.4 4.4	1.6 10.4 1.4	-0.3 1.0 1.0	3.8 2.7 3.7	3.8 0.6 3.8	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
10 12	21.0 20.3 31.6	2.2 2.2 2.2	-15.2 21.9 14.9	16.1 4.4 4.4	3.6 2.6 2.6	4.9 4.9 -4.7	1.4 1.4 1.4	4.7 4.7 4.7	1.4 1.4 1.4	4.7 4.7 4.7	1.4 1.4 1.4	1.4 1.4 1.4
10 18	17.6 18.9 30.5	24.7 27.0 29.0	-1.2 19.0 2.2	17.8 3.7 3.7	3.3 1.7 1.7	5.6 -5.6 5.6	4.7 3.8 2.7	3.7 3.1 1.4	2.8 8.8 3.9	8.0 8.0 2.2	22.2 17.7 7.7	13.7 7.7 1.4
10 24	11.6 13.4 18.6	18.6 18.0 17.7	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
11 00	16.8 12.9 17.6	17.6 17.6 17.6	-2.0 8.1 5.8	5.2 4.4 4.4	2.4 2.4 2.4	3.7 3.7 3.7	4.0 4.0 4.0	1.1 1.1 1.1	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	12.8 12.7 4.8
11 06	15.9 13.4 18.6	18.6 18.0 17.7	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
11 12	21.1 20.0 24.4	14.7 14.7 14.7	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
11 18	21.3 20.9 23.4	19.4 13.9 13.9	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
11 24	14.8 14.2 16.8	16.4 16.4 16.4	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
12 00	14.8 14.2 4.2	16.8 16.8 16.8	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
12 06	14.8 14.2 4.2	16.8 16.8 16.8	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
12 12	14.8 14.2 4.2	16.8 16.8 16.8	-3.1 8.4 7.1	4.6 2.6 1.9	1.9 4.8 4.8	4.7 4.7 4.7	7.4 7.4 7.4	1.4 1.4 1.4	8.0 8.0 8.0	2.2 2.2 2.2	1.4 1.4 1.4	13.6 12.7 4.8
12 18	17.8 10.7 14.2	7.3 6.3 -3.7	4.9 4.9 -0.7	0.5 2.9 1.4	15.4 -9.9 14.7	14.6 3.2 14.3	7.4 5.5 2.1	5.5 2.1 -6.6	1.7 1.7 0.6	9.3 8.8 9.8	8.0 0.1 5.7	5.7 -0.1
12 24	15.7 14.8 13.7	10.2 5.4 5.4	3.9 1.5 1.5	-1.6 2.3 2.3	3.2 3.2 3.2	10.3 3.0 3.0	3.2 2.1 2.1	1.8 1.8 1.8	7.1 -2.4 7.7	17.7 15.7 15.7	9.1 2.2 1.1	1.1 2.2 -1.1
12 30	20.5 20.8											

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Dzielen/Godzina			Jan												Feb												Mar												Apr												May												Jun												Jul												Aug												Sep												Oct												Nov												Dec											
Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v																																																																																																			
01 00	2.8	-0.3	-2.8	5.8	-5.3	-2.4	7.3	7.1	-1.7	8.8	-8.7	-1.1	14.0	12.6	-6.2	13.6	-12.0	-6.5	5.3	1.7	-50	7.4	5.8	-5.7	1.1	17.3	15.5	-12.6	7.0	-2.0	-6.7	13.1	-3.3	-12.6	13.4	6.0	-2.0	6.7	1.1	15.5	-12.6	13.4	6.0	-2.0	6.7																																																																																																					
01 06	2.9	1.0	-2.7	6.8	-6.3	-2.5	8.6	8.0	-3.1	8.1	-7.8	-2.0	13.4	12.9	-3.5	13.9	-13.1	-4.7	6.8	1.7	-6.5	10.1	-3.8	9.4	-5.5	-3.7	5.0	16.6	-15.5	-5.3	15.4	-4.5	14.8	8.0	-1.9	7.7	1.1	15.5	-12.6	13.4	6.0	-2.0	6.7																																																																																																							
01 12	4.8	3.1	-3.7	9.1	-8.7	-2.4	8.9	7.6	-4.6	8.2	-8.2	-0.6	8.9	8.8	-1.3	13.1	-11.9	-5.5	5.5	-2.5	-8.1	10.0	-5.7	8.2	-5.8	-2.7	5.1	13.2	13.0	-2.7	14.6	-3.4	14.2	8.6	-1.9	7.7	1.1	15.5	-12.6	13.4	6.0	-2.0	6.7																																																																																																							
01 18	2.3	1.3	-1.9	7.2	-7.2	-1.0	6.9	5.5	-4.2	6.2	-6.2	-0.3	8.2	5.1	6.4	10.6	-9.5	-4.7	6.3	2.8	-5.6	7.4	-6.2	4.1	4.5	-2.8	15.3	13.3	-0.4	14.9	-2.6	14.7	7.6	-2.1	7.3	1.1	15.5	-12.6	13.4	6.0	-2.0	6.7																																																																																																								
02 00	2.6	0.8	-2.4	9.6	-9.2	-2.6	6.5	6.2	-5.4	5.7	-5.7	-0.3	9.8	2.7	9.5	9.4	-7.6	-5.6	5.2	-2.5	-4.6	3.9	-3.2	2.1	-2.0	0.7	12.3	11.8	-3.3	13.5	-1.8	13.4	6.0	-2.0	6.7																																																																																																															
02 06	3.0	1.2	-2.8	9.5	-9.0	-3.1	9.4	6.7	-6.6	4.9	-4.9	-0.6	14.6	13.2	-4.3	7.3	-7.8	-6.3	5.8	-2.5	-5.1	3.0	-1.9	2.3	-5.3	4.0	13.5	9.9	7.4	-0.8	-10.1	7.1	-3.1	7.0	1.1	15.5	-12.6	13.4	6.0	-2.0	6.7																																																																																																									
02 12	4.3	-4.3	-8.0	8.9	-8.9	-4.0	4.9	4.9	-3.8	-3.8	-3.3	2.3	9.3	9.8	-8.5	8.2	-7.3	-7.4	5.3	-2.3	-4.3	2.3	-2.3	0.8	-2.0	7.2	12.5	12.4	-5.7	15.2	-4.6	14.8	6.0	-0.2	6.7																																																																																																															
02 18	0.2	0.2	-0.3	5.3	-5.3	-0.9	12.2	12.2	-2.1	5.4	-5.4	-0.4	12.4	12.4	-2.5	12.5	-12.5	-2.5	5.4	-0.4	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5	12.5	-12.5	-2.5																																																																																																								
02 24	0.3	0.3	-0.3	5.3	-5.3	-0.9	12.3	12.3	-2.1	5.3	-5.3	-0.4	12.3	12.3	-2.1	12.4	-12.4	-2.1	5.3	-0.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1	12.4	-12.4	-2.1																																																																																																								
03 00	2.3	1.5	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
03 06	1.5	-1.0	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
03 12	6.0	-5.5	-2.4	7.1	-4.1	5.8	11.7	3.7	-11.1	4.2	3.3	-2.5	12.3	11.2	-4.0	12.4	-12.4	-3.5	6.8	-0.7	-2.6	12.4	-12.4	-3.5	12.4	-12.4	-3.5	12.4	-12.4	-3.5	12.4	-12.4	-3.5	12.4	-12.4	-3.5	12.4	-12.4	-3.5	12.4	-12.4	-3.5																																																																																																								
03 18	10.8	-7.8	7.5	4.7	-4.5	1.3	10.2	0.0	-3.9	1.3	3.4	-8.4	7.5	-7.5	-1.3	1.5	-1.5	-0.1	5.3	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
03 24	1.8	-0.8	-0.8	7.5	-7.5	4.7	10.2	-0.6	-3.9	1.3	3.4	-8.4	7.5	-7.5	-1.3	1.5	-1.5	-0.1	5.3	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
04 00	14.5	-9.8	10.9	13.7	-1.3	-3.2	-3.0	-8.1	-1.0	-8.1	-1.0	-5.3	5.5	5.5	-1.0	10.5	-10.5	-6.1	5.5	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
04 06	19.6	-13.7	14.3	3.2	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	6.5	6.5	-1.0	11.6	-11.6	-6.1	6.5	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
04 12	18.7	-11.9	14.4	16.8	15.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	6.5	6.5	-1.0	11.6	-11.6	-6.1	6.5	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
04 18	0.5	-0.5	-0.5	1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	6.5	6.5	-1.0	11.6	-11.6	-6.1	6.5	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
04 24	1.8	-0.8	-0.8	7.5	-7.5	4.7	10.2	-0.6	-3.9	1.3	3.4	-8.4	7.5	-7.5	-1.3	1.5	-1.5	-0.1	5.3	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
05 00	1.8	-0.8	-0.8	7.5	-7.5	4.7	10.2	-0.6	-3.9	1.3	3.4	-8.4	7.5	-7.5	-1.3	1.5	-1.5	-0.1	5.3	-0.7	-0.3	1.5	-1.5	-0.1	5.3	-0.1	-5.3	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1	1.5	-1.5	-0.1																																																																																																					
05 06	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
05 12	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
05 18	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
05 24	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
06 00	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
06 06	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
06 12	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5																																																																																																								
06 18	2.3	-1.1	-1.1	7.7	-3.5	6.9	12.8	7.7	-10.2	3.6	2.9	-2.5	12.3	11.2	-4.0	12.3	-12.3	-3.5	6.7	-0.7	-2.6	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.3	-12.3	-3.5	12.																																																																																																																

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Dzień/Godzina			Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	11.8	11.6	2.5	15.6	15.3	3.1	5.8	-5.7	1.1	8.8	-8.2	-3.3	14.1	13.4	-4.2	2.9	-2.7	-1.1	3.8	-0.2	10.3	9.7	-3.3	7.4	5.5	-5.0	5.3	1.4	-5.1	4.4	0.1	4.4	5.4	-4.2	-3.3															
01 08	10.1	9.1	4.4	18.9	14.5	11.9	6.8	-6.8	-0.3	10.3	-9.3	-4.4	13.9	13.3	-4.2	2.9	-1.2	2.6	4.3	2.3	11.8	9.7	-6.7	6.9	2.2	-6.6	6.2	3.3	-5.3	4.1	0.8	4.2	4.5	-4.3	-1.3															
01 12	12.6	11.6	-4.9	14.1	14.0	1.2	8.2	-4.8	-4.0	10.7	-9.6	-4.7	12.5	12.5	-0.4	1.5	-1.5	-2.9	2.2	-2.2	11.2	-3.2	-3.0	8.3	8.2	-1.0	3.7	1.0	-3.6	5.1	4.6	-2.1	2.4	0.9	2.2	6.5	-8.7	-3.0												
02 06	7.5	4.0	-6.4	15.6	8.2	-13.2	5.3	-1.1	-5.2	11.0	-10.5	-3.4	6.8	6.4	-2.5	4.5	-4.3	1.6	6.6	-3.5	5.7	3.8	3.3	-2.0	4.3	2.7	-3.4	9.3	8.9	-4.3	2.5	1.0	2.3	8.1	-4.6	-6.7														
02 12	4.0	1.0	-3.8	19.0	5.3	-18.2	6.7	1.8	-6.4	9.9	-9.4	-3.1	5.8	5.8	0.6	12.4	-10.1	7.2	4.7	-1.4	-4.5	5.0	3.8	-3.3	4.1	2.1	-3.5	7.3	5.5	-5.6	4.1	-0.1	4.1	7.4	-0.2	7.4														
03 00	1.2	0.8	-0.9	7.5	1.6	-7.3	5.0	0.8	-5.0	9.5	-9.4	-1.4	3.5	3.3	-0.9	7.1	-0.4	5.0	6.3	-2.9	7.6	3.6	-6.7	3.0	2.8	-1.2	4.0	-0.3	4.0	3.0	-2.5	-1.6	8.0	7.9	1.1															
03 06	4.8	3.8	-2.9	1.6	0.8	-1.3	3.6	-0.1	-3.6	9.6	-9.6	1.1	3.8	2.8	-2.6	2.7	2.3	1.4	8.3	7.4	-3.7	10.4	2.7	-10.1	3.6	3.0	0.6	6.7	-2.2	-6.4	3.2	-1.9	-2.5	16.6	8.8	14.1														
03 12	8.0	2.0	-2.1	4.5	3.7	1.8	1.4	-1.4	-1.4	12.0	-12.0	0.8	2.2	1.7	1.4	4.7	4.4	0.7	5.4	4.1	-3.4	7.1	1.5	0.2	8.9	-5.2	-7.3	5.2	0.8	-6.1	6.3	2.3	2.2	10.4																
03 18	10.6	10.3	-3.7	1.7	1.7	4.6	3.4	-3.2	-1.7	1.5	-1.5	1.5	3.9	3.9	-1.7	6.4	-2.4	1.8	3.4	-3.4	10.0	1.5	-1.0	8.1	1.5	-3.8	3.3	-1.9	1.0	0.0	1.0	1.0	-1.0	1.0																
04 00	11.2	11.2	-1.1	15.3	15.3	0.2	5.5	-5.1	-2.2	12.4	-12.3	-1.6	10.2	10.0	10.2	2.6	2.2	9.1	8.2	-4.1	4.7	4.0	-2.6	3.6	0.8	-3.5	7.1	-3.1	-3.5	8.4	4.0	-7.3	15.4	-1.3	15.4															
04 06	11.7	11.6	-1.3	15.5	13.1	-8.3	5.7	-5.4	-1.9	15.3	-15.3	0.4	10.5	-10.2	10.5	4.7	3.7	-2.8	9.2	8.4	-3.7	4.3	4.3	0.7	5.6	0.7	5.6	7.5	3.1	-6.6	9.4	6.3	-7.0	12.5	3.6	12.0														
04 12	12.9	12.8	-1.2	14.5	12.1	-8.2	7.3	-6.6	-3.3	17.5	-17.3	-2.7	5.3	-1.0	5.2	5.0	-5.0	6.3	5.6	-2.8	3.3	3.3	-0.7	6.7	-1.0	6.0	-5.6	10.4	-1.2	10.3																				
04 18	11.7	11.6	-1.6	16.8	16.2	-4.4	7.2	-6.8	-2.5	17.2	-16.8	-3.5	3.0	0.7	3.0	3.7	-1.1	5.8	-1.1	6.6	2.6	-6.1	6.8	-1.8	6.6	4.5	-4.3	7.8	7.4	-2.4	4.0	1.7	6.4																	
05 00	9.6	9.3	-2.5	19.1	19.1	1.0	7.9	-7.8	-1.6	16.6	-16.0	-4.6	4.4	4.1	1.6	2.2	-0.9	6.4	5.3	-1.1	9.1	5.2	-7.4	6.8	0.5	6.8	6.2	5.6	-2.6	6.4	-0.6	1.1	1.1	1.1																
05 06	5.8	5.5	1.9	15.6	12.5	-9.2	8.0	-7.7	-2.0	16.3	-15.3	-5.7	4.8	4.8	0.4	2.0	1.9	-0.4	5.9	5.7	-1.2	12.1	5.2	-11.0	6.6	2.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1															
05 12	3.0	1.0	2.9	20.3	10.7	-17.3	8.9	-8.4	-3.0	14.5	-13.0	-4.5	3.8	3.7	-1.1	4.4	-0.8	4.3	6.5	5.5	0.5	14.3	5.7	5.1	5.7	2.5	3.5	-2.2	3.3	3.2	0.7	10.4	1.1	10.3																
05 18	4.6	4.6	4.9	21.6	11.6	-9.7	8.7	-8.4	-2.7	14.2	-11.1	-8.3	8.3	8.3	-1.1	2.7	-0.2	7.8	6.9	0.9	13.4	8.6	-10.2	6.3	2.0	6.0	3.1	-3.1	3.4	-0.5	3.4	-0.5	3.4	3.8	-10.1															
05 24	4.9	4.6	4.7	14.3	11.6	-9.8	2.9	-2.7	-0.3	14.3	-13.0	-3.0	4.9	4.9	-0.4	2.0	1.9	-0.4	7.8	7.8	-1.1	12.1	5.2	-11.0	6.4	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1															
06 00	5.3	2.2	4.8	19.7	9.4	-8.6	8.5	-8.5	-1.9	9.3	-9.5	-5.5	8.2	8.1	-1.5	2.5	-2.4	5.7	5.7	3.5	2.4	2.5	6.7	5.7	3.5	9.9	9.9	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2													
06 12	4.2	0.9	4.1	20.0	10.1	-17.3	7.1	-6.9	-1.7	9.6	-9.3	-3.3	9.0	7.0	-1.1	2.6	-2.3	3.7	3.7	3.7	0.6	7.8	4.9	-6.1	8.0	-1.3	7.8	7.5	4.6	-7.0	12.5	7.1	-0.6																	
06 18	3.5	0.2	2.0	3.5	9.0	-18.7	6.5	-5.9	-2.7	7.2	-7.6	-1.1	5.5	5.5	-0.5	2.1	-0.2	5.0	5.0	-0.7	6.7	4.5	-5.9	5.3	0.6	5.0	5.0	-0.7	6.7	6.7	0.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0												
07 00	4.6	0.3	4.5	19.1	-4.1	-1.1	1.7	-1.7	-0.1	10.5	-12.6	-3.0	8.3	8.3	-0.4	2.0	-0.1	8.7	8.7	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1												
07 12	5.4	3.3	4.3	13.3	6.1	-9.6	4.8	-2.5	-3.8	3.7	3.6	-0.9	5.9	5.9	-0.1	2.0	-0.1	8.3	8.3	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1															
07 18	3.1	2.9	1.0	9.3	1.1	-9.1	1.6	-1.6	-1.6	10.5	-12.8	-3.0	7.1	7.1	-0.1	2.0	-0.1	8.3	8.3	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1															
07 24	5.0	4.8	4.8	13.2	6.1	-9.6	3.7	-3.2	-0.1	10.5	-12.8	-3.0	7.0	7.0	-0.1	2.0	-0.1	8.3	8.3	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1	10.4	10.4	-0.1															
08 00	3.0	2.7	-1.3	13.7	12.8	5.3	5.2	-5.1	-2.2	10.5	-12.5	-3.0	3.3	3.3	-0.2	2.5	-2.5	1.1	1.1	-0.1	12.9	10.9	-10.9	6.9	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6									
08 06	3.0	2.7	-1.3	13.7	12.8	5.3	5.2	-5.1	-2.2	10.5	-12.5	-3.0	3.3	3.3	-0.2	2.5	-2.5	1.1	1.1	-0.1	12.9	10.9	-10.9	6.9	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6									
08 12	1.3	0.1	-1.3	13.2	9.5	-9.5	2.9	-2.9	-0.1	10.5	-12.5	-3.0	3.3	3.3	-0.2	2.5	-2.5	1.1	1.1	-0.1	12.9	10.9	-10.9	6.9	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6	5.6	5.6	-5.6									
08 18	12.7	12.7	-3.6	3.6	11.0	-10.6	2.6	5.8	-5.7	1.1	14.4	-10.8	-5.5	2.4	1.6	-2.3	2.8	-2.8	2.3	0.8	-1.2	14.1	11.7	7.9	4.8	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6	-3.5	3.6							
08 24	12.9	12.9	-3.1	3.1	1.4	-1.4	4.7	4.7	-0.7	10.2	2.1	10.0	1.0	6.0	6.0	1.5	3.5	3.2	-2.6	3.5	-1.7	1.0	-0.7	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4								
09 00	8.0	3.7	-7.1	13.8	1.7	13.0	-13.0	1.0	-10.4	10.8	1.8	10.3	3.7	3.5	1.2	5.0	-2.5	4.4	4.7	0.7	1.7	1.5	-0.9	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6								
09 06	8.0	3.0	-8.5	3.2	-2.0	2.5	7.5	-6.7	-3.3	4.5	4.5	-0.7	7.4	5.7	-0.7	6.7	-2.7	2.5	-0.9	3.0	-6.0	2.7	-2.5	13.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3								
09 12	5.6	5.2	-2.6	6.1	6.0	-4.1	4.6	-4.5	-0.1	8.0	4.1	0.4	4.1	3.0	-0.9	3.2	-0.1	3.2	-0.1	3.0	1.1	-0.1	5.4	5.3	-0.5	8.5	0.5	1.3																						

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	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	15.4	14.8	4.4	9.4	6.3	-7.0	4.3	0.6	4.3	7.0	-1.5	-6.8	7.5	-2.3	-7.1	8.3	-8.3	-0.4	9.3	8.5	-4.0	11.1	9.9	-4.8	6.4	-1.1	6.3	2.5	1.9	-1.6	17.5	16.9	-4.7	11.0	4.9	9.8												
01 06	16.7	15.2	4.2	11.1	8.2	-8.2	4.9	-2.6	4.2	6.6	-1.1	-6.4	6.6	-2.4	-6.1	13.0	-13.4	-2.6	10.2	7.4	-7.0	12.5	12.8	-2.3	7.9	-3.4	7.1	0.5	0.3	-0.4	16.3	15.4	-5.4	12.8	2.4	12.3												
01 12	20.0	19.0	1.4	14.4	6.5	-12.0	2.4	-1.1	0.2	1.1	-0.4	-1.1	6.3	-6.9	-1.5	14.5	-14.5	-0.4	10.1	1.1	-0.1	11.0	1.1	-0.1	10.1	-0.1	-0.1	10.1	-0.1	-0.1	10.1	-0.1	-0.1	10.1	-0.1	-0.1												
01 18	18.5	18.0	0.7	12.6	1.4	-12.0	7.4	-7.3	0.5	9.2	7.7	-5.1	7.1	-5.1	-0.9	16.9	-15.1	-0.7	11.7	6.2	-4.4	8.5	-8.5	0.7	4.0	-3.1	2.5	6.4	-5.9	2.6	20.7	15.2	14.0	9.3	1.1	8.3	-0.5											
02 00	16.4	16.4	-0.1	15.5	2.2	-15.8	9.3	-9.3	10	5.0	-2.1	-4.6	3.7	-2.9	-2.3	6.5	-3.3	-5.7	9.6	8.5	-4.5	2.2	2.1	-0.6	6.8	-6.3	2.7	10.5	-9.2	4.9	23.0	22.5	5.1	11.3	10.7	-3.6												
02 12	13.8	13.7	-1.8	12.7	0.8	-12.6	13.5	-13.3	-3.1	7.1	-4.4	-5.6	3.3	-2.6	-2.0	5.2	2.1	-4.7	9.3	9.2	-1.2	1.3	-0.3	1.3	7.7	-6.9	3.4	11.1	-9.8	5.2	24.5	24.3	3.1	10.1	9.6	3.2												
03 00	8.1	8.1	0.9	9.3	4.1	-9.0	14.3	-12.7	-6.6	3.0	1.8	2.4	4.6	-4.0	-2.3	2.6	1.5	-2.1	12.1	12.0	-1.0	3.0	2.9	0.8	9.9	-6.9	7.2	10.7	-5.7	9.1	24.6	23.8	-5.7	14.2	5.2	13.2												
03 06	4.7	4.6	-0.8	9.3	6.8	-6.3	17.9	-16.0	-7.8	3.2	1.1	3.0	4.2	-3.9	-1.6	3.1	3.1	-0.2	10.1	10.0	-1.7	6.5	6.5	0.7	15.7	-7.9	13.6	8.8	-4.6	7.5	24.0	23.6	-4.7	18.8	1.5	18.6												
03 12	3.7	2.0	-3.1	7.8	5.2	-5.6	17.9	-16.8	-6.1	1.5	-0.1	4.6	3.8	-3.0	-0.1	1.2	0.9	8.9	8.9	-0.5	5.8	5.7	0.9	19.6	-10.3	16.6	3.8	-3.8	3.2	22.6	22.1	-4.5	14.9	3.2	13.2													
03 18	4.0	4.0	-0.2	10.3	4.3	-9.7	18.0	-17.3	-6.4	2.0	-0.4	-0.7	2.9	-2.7	-0.7	0.5	-0.5	1.1	1.0	0.6	11.0	-9.0	6.3	12.5	-9.6	8.1	23.6	23.3	-2.2	13.2	11.7	6.2																
04 00	6.8	3.6	-5.8	9.7	3.4	-9.1	5.7	-5.1	-0.2	2.4	9.7	8.9	-3.9	3.1	-0.5	3.0	2.0	-0.1	6.9	6.9	-0.7	5.7	5.2	-2.2	9.7	-6.2	7.5	2.3	-2.2	13.2	11.7	6.2																
04 06	9.8	1.5	-9.7	7.5	-1.8	-1.8	0.1	8.7	6.8	-5.3	11.0	-1.0	1.1	1.7	-1.2	-1.2	7.9	7.6	-2.1	6.4	5.8	-2.2	10.2	-4.6	9.1	5.3	-3.1	-4.3	18.3	17.1	-6.6	7.5	1.2	7.4														
04 12	10.9	1.9	-10.7	7.1	-5.1	-5.1	4.4	-1.5	4.1	5.1	-3.6	16.9	-19.1	6.8	3.9	-0.6	4.1	4.1	-0.6	6.3	5.9	-2.1	5.6	-3.1	4.7	5.2	1.6	-5.3	15.9	14.8	-5.9	5.4	2.5	4.7														
04 18	13.7	8.7	-10.5	3.3	-1.8	-2.8	2.1	-0.5	2.0	4.2	-2.7	-2.0	-2.6	2.5	4.1	-4.1	0.0	3.2	3.2	0.1	7.1	5.8	-4.1	3.5	-0.5	5.2	0.5	-5.1	9.6	8.6	-4.2	7.3	5.5	4.8														
05 00	23.6	22.3	-7.9	2.7	-0.4	2.4	9.9	-4.7	3.3	1.9	-0.4	3.9	17.2	-5.0	16.5	4.1	-3.9	1.1	4.4	3.9	2.1	8.3	7.8	-3.0	3.3	-2.3	2.5	5.5	0.3	-5.5	7.9	5.8	-5.4	9.2	8.3	3.9												
05 06	24.7	22.6	-10.1	7.1	-2.7	6.6	3.1	-2.4	-1.9	2.1	-0.8	-1.9	18.4	-7.2	17.0	7.0	-7.0	-0.1	3.5	3.3	1.1	8.8	8.5	-2.5	4.0	0.0	0.7	-0.2	-4.7	8.0	5.0	-6.3	12.5	11.9	4.1													
05 12	22.0	11.5	-18.8	4.0	-2.7	2.5	5.4	-2.6	-4.7	0.5	-0.2	0.4	15.8	-9.9	12.3	1.7	-9.5	-1.6	1.9	1.9	0.1	8.5	7.3	-3.2	3.3	0.3	-5.5	8.5	6.8	-5.3	11.9	10.2	6.2															
05 18	18.7	7.5	-17.2	1.3	-0.5	1.2	5.4	-1.8	3.5	-0.9	3.4	14.3	-8.7	11.3	10.7	-10.3	1.2	3.3	3.2	0.4	5.9	5.2	-2.2	8.0	1.0	-1.3	12.1	10.8	-6.3	6.2	2.1	2.7	2.0	2.7	1.0	2.7	1.0	2.7										
05 24	12.0	1.9	-2.3	13.2	-1.8	-1.8	3.0	-2.4	-2.4	2.0	-0.2	-0.2	12.0	-1.2	1.2	1.2	-0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2											
06 00	12.8	0.4	-12.7	7.8	7.3	-2.8	6.6	-4.4	4.9	4.0	-5.5	3.9	10.6	-7.9	7.1	14.0	-13.4	-2.2	9.2	9.9	-4.8	8.5	6.1	-1.1	11.7	5.5	-10.3	6.0	-0.6	0.8	7.7	2.4	-12.6	11.6	-5.0	21.4	17.8	11.7										
06 06	14.5	12.7	6.9	16.2	7.5	-5.4	5.4	-0.5	5.5	8.8	-8.1	3.5	16.1	-14.8	-6.2	8.3	8.1	2.0	10.0	5.9	-3.7	3.7	0.0	0.8	0.7	-0.2	9.0	8.6	-2.6	28.6	26.6	0.5																
06 12	10.7	0.9	-10.6	9.4	9.4	-0.9	6.3	-5.3	-4.4	5.3	-5.4	-0.5	11.1	-14.3	-1.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1												
06 18	13.2	-2.4	-12.9	7.8	7.7	1.2	10.1	-7.9	6.3	7.8	1.3	7.7	-6.9	17	-17	12.2	-3.3	7.4	7.4	0.7	6.5	6.5	-1.1	2.0	-0.3	2.8	2.7	0.5	4.9	-1.1	27.4	27.1	-4.4															
07 00	11.2	-1.7	-11.1	6.6	6.0	-0.7	7.5	-6.3	-6.1	6.1	1.7	5.9	7.3	-7.1	10.9	-9.9	9.9	-0.4	9.8	8.0	0.0	7.3	3.3	-2.5	0.4	2.5	4.8	-1.7	5.2	5.7	-5.5	1.1	-2.2	23.0	-3.5	23.0	22.3											
07 06	6.8	2.0	-6.8	8.1	8.1	-3.3	6.9	-3.4	-6.0	3.6	3.4	1.3	2.7	-2.0	2.5	-2.7	2.7	-2.7	8.7	8.7	0.4	4.2	2.8	3.1	13.5	7.8	11.0	5.7	-1.1	14.4	1.1	14.4	2.6	1.1	14.4	2.6												
07 12	3.3	2.6	-2.0	15.1	7.3	-5.7	5.3	-1.4	-5.5	3.0	2.1	2.2	4	-1.7	5.9	-5.1	-2.9	-2.7	8.7	8.7	0.4	4.2	2.8	3.1	13.5	7.8	11.0	5.7	-1.1	14.4	2.6	1.1	14.4	2.6														
07 18	9.1	8.1	-1.4	10.3	4.0	-3.7	3.8	-1.8	-1.8	3.0	1.2	1.2	1.2	-0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2												
08 00	10.9	3.8	-22.8	22.8	22.8	0.0	9.9	7.7	-6.6	11.6	-8.6	11.6	-11.6	-1.6	11.6	-11.6	-1.6	11.6	11.6	-1.6	11.6	11.6	-1.6	11.6	-1.6	11.6	-1.6	11.6	-1.6	11.6	-1.6	11.6	-1.6	11.6	-1.6	11.6	-1.6											
08 06	4.7	4.7	-4.0	14.4	1.4	-3.7	1.4	-0.1	1.4	1.4	-0.1	-0.1	1.4	-0.1	-0.1	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4											
08 12	14.4	1.4	-1.4	1.4	1.4	-0.1	1.4	-0.1	1.4	1.4	-0.1	-0.1	1.4	-0.1	-0.1	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4											
08 18	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	-0.1	1.4	1.4	-0.1	-0.1	1.4	-0.1	-0.1	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4											
08 24	22.4	17.3	-18.6	-10.1	8.2	5.5	-1.1	5.5	-5.7	5.7	5.6	4.1	5.2	4.8	-1.3	4.7	-4.7	1.5	0.4	4.4	6.7	6.5	-1.1	10.1	-2.9	0.8	1.5	2.4	-0.1	4.0	1.1	-0.1	4.0	1.1	-0.1	4.0												
08 30	2.3	8.9	-11.7	-11.5	2.3	14.0	-11.2	-8.5	-10.1	-9.8	2.3	8.7	5.1	-6.1	15.6	-15.6	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4											
09 00	2.0	7.1	-11.1	7.0	8.4	-8.0	-4.5	-1.1	-1.1	-1.1	2.0	7.1	15.1	-15.1	-0.5	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0.1	1.4	1.4	-0																		

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01 00	5.9	0.7	-5.8	12.0	10.3	-6.3	2.5	-2.5	0.3	6.4	5.5	3.2	6.7	3.1	-5.9	5.6	-1.3	-5.4	5.5	-0.7	-5.4	7.1	6.9	1.7	8.7	-5.9	6.4	3.1	-2.9	1.1	1.5	0.1	1.5	22.2	2.7	2.0														
01 06	3.5	-0.4	-8.8	12.6	9.0	-8.8	5.7	-4.9	-2.8	5.8	5.4	2.3	10.6	8.2	-6.0	4.0	-2.4	5.2	3.2	-4.2	6.4	6.2	1.5	7.3	-3.3	6.5	4.2	-2.6	3.3	4.0	-3.4	2.1	21.2	6.5	20.2															
01 12	12.0	-2.5	-10.6	12.6	9.5	-10.6	7.7	-6.9	-5.1	5.4	5.1	2.8	10.6	8.2	-6.0	4.0	-2.4	5.2	3.2	-4.2	6.4	6.2	1.5	7.3	-3.3	6.5	4.2	-2.6	3.3	4.0	-3.4	2.1	20.2	6.5	20.2															
01 18	26.0	0.6	26.0	5.0	3.7	-3.4	4.8	-4.5	-1.8	3.1	3.1	4.8	10.5	6.0	-8.7	9.2	-7.6	-3.2	7.2	5.4	-4.7	7.9	-1.6	7.7	2.1	8.4	-0.9	6.7	1.3	-0.3	5.2	6.8	-6.4	2.4	18.8	16.3	9.4													
02 00	20.4	18.7	8.2	3.8	-1.2	-3.3	10.5	-3.9	-9.7	2.2	-1.3	1.7	5.0	1.0	-4.9	11.1	11.1	-0.9	8.8	7.7	-4.3	13.9	0.3	13.9	6.8	6.4	-2.2	5.6	2.1	5.1	4.7	-4.5	1.4	22.0	7.7	20.6														
02 12	15.7	15.4	2.8	2.1	-2.6	1.3	6.4	5.5	-2.4	7.8	-7.5	1.9	2.4	1.7	-2.1	8.1	7.4	-3.5	5.0	3.8	-3.3	4.2	-2.7	3.2	8.9	5.9	6.7	6.5	6.1	3.2	2.8	-2.2	1.7	16.2	3.9	15.7														
03 00	8.4	4.8	7.0	8.1	-5.4	6.1	8.5	8.5	-1.0	6.6	-6.3	2.0	6.0	5.9	-1.0	10.2	9.9	-2.6	6.8	6.7	-1.2	1.9	1.6	-1.0	9.1	4.4	8.0	9.5	3.1	9.1	3.3	-3.3	0.6	12.0	5.2	10.8														
03 06	6.0	-3.1	5.2	10.6	-4.0	9.8	11.3	11.3	0.5	5.8	-5.6	1.8	7.1	7.0	1.1	8.8	7.5	-4.6	4.5	4.5	1.3	7.1	6.5	-1.8	9.3	4.9	8.0	14.3	6.0	13.0	1.3	-0.1	10.1	4.1	9.2															
03 12	4.9	-3.9	3.0	14.8	-6.0	13.0	9.9	9.7	1.8	6.7	-5.8	3.4	6.5	4.2	-4.0	8.3	7.4	-2.2	5.7	5.7	-0.2	7.3	6.6	2.5	9.8	7.0	6.0	6.8	0.2	5.3	5.1	1.5	4.7																	
03 18	6.5	-0.3	0.1	1.0	0.0	0.0	1.3	1.3	-0.3	1.7	1.7	0.0	1.5	1.5	-0.7	10.0	9.7	-2.3	2.8	2.9	0.0	4.6	1.1	-0.5	1.7	1.1	1.1	-0.5	0.6	1.7	2.5																			
04 00	11.0	7.5	-8.0	9.6	-9.5	1.2	6.9	4.2	5.5	6.0	-5.0	3.3	6.1	5.7	2.2	13.1	12.8	-2.5	5.2	5.1	-0.8	6.4	-1.3	6.3	9.4	-0.1	11.8	7.8	8.8	12.3	-2.3	12.1	0.9	0.2	0.8															
04 06	15.9	-6.1	-14.7	6.2	-5.9	1.9	7.7	0.5	7.7	6.3	-5.8	2.4	6.4	4.3	-1.4	13.3	13.0	-3.0	5.0	4.5	-2.2	7.4	0.2	7.4	12.0	11.9	-1.7	15.1	10.6	10.6	16.3	-3.8	15.9	3.4	-2.4	2.4														
04 12	13.7	-2.8	-13.4	7.4	-5.0	5.6	-6.2	6.5	-4.5	-4.4	0.6	6.5	6.3	-2.7	9.0	9.0	0.4	4.5	2.5	1.7	1.9	-5.2	-0.8	5.2	11.9	11.6	-2.5	13.0	10.9	8.5	16.4	0.2	16.4	4.5	-1.7	4.2														
04 18	13.4	-2.1	-13.3	10.5	-4.3	9.6	5.0	-2.3	4.4	2.7	-1.6	2.2	5.8	4.9	-3.2	7.1	5.3	4.7	2.8	-2.5	1.3	9.3	-3.5	3.4	9.7	9.6	1.1	12.0	10.7	5.4	17.4	0.2	17.4	4.4	-2.6	3.6														
05 00	11.5	-3.0	-11.1	15.0	-4.9	12.4	2.0	-4.2	2.2	0.5	1.9	4.4	4.2	0.1	11.5	9.3	6.8	1.4	0.5	1.3	2.5	-0.5	7.9	7.1	3.4	10.2	8.9	8.0	14.3	-0.9	14.3	1.1	-0.8	1.0																
05 06	8.2	-1.3	-8.1	20.4	-3.1	20.6	1.7	-0.1	-1.7	3.4	1.1	3.3	12.4	4.3	11.6	12.0	9.3	7.5	5.5	-2.5	4.9	5.6	5.4	-1.7	8.6	5.0	1.0	20.5	3.8	-3.0	2.4	-2.4	2.4	-2.0																
05 12	8.5	-0.3	15.8	15.1	0.1	15.1	5.2	1.1	-5.1	3.2	0.9	3.1	10.7	8.4	6.7	1.0	8.0	6.4	0.5	2.5	2.5	-0.9	10.9	10.3	3.4	1.1	-0.1	10.1	4.1	9.2																				
05 18	7.0	-0.3	7.0	4.0	6.0	4.2	4.0	5.2	-6.0	3.9	-3.7	3.9	12.9	12.9	12.0	7.8	8.8	6.3	5.1	3.0	-0.2	3.8	1.1	6.8	6.5	-1.5	14.5	4.5	-0.8	18.4	1.3	1.3	0.1																	
05 24	6.6	-0.2	12.2	12.0	-2.0	12.0	1.2	-0.2	-0.2	1.2	1.2	0.0	12.0	12.0	12.0	7.8	8.8	6.3	5.1	3.0	-0.2	3.8	1.1	6.8	6.5	-1.5	14.5	4.5	-0.8	18.4	1.3	1.3	0.1																	
06 00	4.4	1.9	-3.9	9.1	8.3	-6.6	4.4	-5.0	-5.5	3.5	-2.1	3.3	11.5	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0																	
06 06	1.9	-3.6	13.3	13.1	-2.1	10.0	9.7	-2.2	4.4	3.2	-3.0	8.8	8.8	-0.3	2.6	2.4	1.0	3.4	-3.0	-1.5	8.0	4.9	6.3	8.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6																	
06 12	3.4	1.5	-3.1	9.7	-0.7	11.3	11.3	0.0	0.3	-0.1	0.3	5.1	4.9	-1.6	1.2	-0.5	3.1	3.1	-3.1	8.0	6.0	5.7	9.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9																		
06 18	2.3	0.7	2.2	7.5	7.5	1.0	1.1	1.8	1.1	1.8	1.1	0.0	2.4	-3.3	2.5	-1.1	1.0	2.3	-1.1	0.7	0.6	0.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3																
07 00	2.3	0.7	2.2	11.4	11.4	1.0	1.1	1.8	1.1	1.8	1.1	0.0	2.4	-3.3	2.5	-1.1	1.0	2.3	-1.1	0.7	0.6	0.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3																
07 06	8.6	-3.3	2.5	5.9	0.0	4.4	12.2	6.6	8.3	-0.4	5.5	2.0	4.5	-4.5	4.5	-2.2	1.2	5.2	-4.5	4.5	-2.2	1.2	5.2	6.5	8.3	-0.4	4.5	-2.2	1.2	5.2	6.5	8.3	-0.4	4.5	-2.2	1.2	5.2	6.5	8.3											
07 12	8.1	-0.1	1.2	-1.0	-0.7	15.5	14.1	-6.5	6.0	-6.0	0.4	6.0	6.0	-4.5	0.4	5.7	-5.7	-0.6	9.5	1.9	3.3	16.5	14.7	-7.7	5.5	2.4	4.0	10.4	1.8	10.4	3.4	11.4	1.1	1.1	0.1															
07 18	8.8	-0.3	10.2	-1.2	-0.7	11.3	12.4	-5.4	5.4	-6.9	-1.3	7.5	-6.5	5.1	-5.0	1.0	9.4	0.8	-0.3	4.9	2.8	3.3	14.9	13.7	-7.7	8.8	5.2	-0.4	16.7	5.3	16.6	1.6	-0.1	14.3	1.1	14.3	0.1													
08 00	9.1	-3.3	11.2	-7.3	-8.6	11.9	11.9	9.6	-6.7	6.8	-6.8	1.3	11.2	11.2	-1.1	12.0	12.0	-1.1	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0														
08 06	10.0	-5.2	17.0	-16.5	4.2	-2.0	-0.1	9.9	6.2	-7.7	3.5	-4.9	0.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6																
08 12	14.0	-12.7	-5.9	19.6	-18.3	6.9	6.9	-3.5	-6.0	0.4	-0.1	0.4	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6														
08 18	9.8	-3.0	2.2	2.2	2.1	-1.5	-1.5	7.9	-6.6	-4.3	3.3	-1.0	3.6	3.4	-1.0	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6	12.6	12.6	-2.6														
08 24	1.8	-0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
08 30	0.8	-0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
09 00	6.4	-4.5	1.5	-6.1	6.1	-1.1	3.1	-10.8	8.0	-1.5	8.0	-2.6	2.6	1.0	-0.7	8.8	8.8	-2.6	8.8	8.8	-2.6	8.8	8.8	-2.6	8.8	8.8	-2.6	8.8	8.8	-2.6	8.8	8.8	-2.6	8.8	8.8	-2.6														
09 06	6.8	-5.4	4.1	-12.3	11.8	14.0	12.1	-0.1	5.5	5.7	2.8	4.9	12.8</																																					

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v
01 00	16.2	10.9	12.1	16.5	-1.1	16.4	25.4	24.8	-5.2	6.0	5.4	-2.5
01 08	14.6	14.4	2.7	14.5	3.1	14.6	28.4	26.8	-9.2	5.7	5.4	-2.2
01 16	12.2	12.0	0.9	12.6	6.0	25.4	24.6	-6.1	3.5	3.0	-1.8	4.0
01 24	13.3	12.9	2.9	9.6	-6.6	17.0	25.4	24.6	-6.1	3.5	3.0	-1.8
02 00	12.9	11.6	5.5	8.4	7.3	4.3	19.1	19.0	-2.0	3.8	3.0	-2.4
02 08	12.6	11.4	5.2	5.3	5.8	-0.5	19.8	19.0	-2.9	3.9	2.7	-2.8
02 16	13.0	9.7	8.7	9.1	7.1	5.6	17.0	17.0	0.7	1.4	1.4	0.4
02 24	13.0	9.7	8.7	9.1	7.1	5.6	17.0	17.0	0.7	1.4	1.4	0.4
03 00	9.4	8.4	4.2	7.3	6.0	4.4	17.7	16.5	-6.5	3.0	1.1	-0.5
03 08	9.5	9.1	2.6	7.2	7.2	-0.2	19.8	18.7	-6.7	10.1	0.7	10.1
03 12	8.9	8.1	3.7	7.6	6.9	-1.1	20.1	20.0	-2.0	10.2	-0.1	10.3
03 16	5.8	5.7	0.9	12.0	12.0	-0.7	20.7	20.5	-2.0	10.3	-0.1	10.3
03 20	4.2	3.7	-2.0	19.7	18.7	-6.2	16.2	14.7	-6.2	5.5	3.4	-4.4
04 00	5.7	2.9	-4.9	21.6	20.9	-5.3	8.9	6.8	-5.7	1.5	1.3	0.7
04 08	4.2	2.1	-3.6	24.1	23.7	-4.8	5.9	4.4	-4.0	1.9	1.8	-0.5
04 12	4.1	2.6	-3.1	16.5	14.8	-7.2	6.1	5.6	-2.4	2.1	1.7	-1.3
04 18	2.2	2.2	-0.3	10.3	7.7	6.0	-0.9	1.7	1.4	1.0	0.7	-0.7
05 00	2.1	2.0	-0.5	8.5	4.9	-6.9	6.7	1.5	6.4	3.6	5.3	-3.8
05 08	3.3	1.8	-2.8	11.2	7.6	-8.3	8.6	5.3	14.0	2.6	13.8	-6.3
05 12	6.2	4.3	-4.5	12.7	11.7	-4.9	8.1	4.9	6.2	-5.5	2.4	-1.6
05 16	5.2	4.3	-4.5	12.7	11.7	-4.9	8.1	4.9	6.2	-5.5	2.4	-1.6
05 20	10.8	6.2	-8.8	17.3	15.4	-6.2	14.7	10.6	-1.3	10.2	-6.2	5.5
05 24	9.7	5.4	-8.0	19.7	18.1	-7.8	7.7	6.1	-0.5	10.3	-6.2	5.5
06 00	6.7	3.5	-5.7	22.9	20.6	-10.2	12.5	12.3	-2.1	8.3	-5.7	4.4
06 08	6.4	0.4	-6.4	20.9	17.9	-10.8	14.1	13.7	-3.2	6.2	-5.3	2.1
06 12	5.7	-2.7	-5.0	21.2	14.6	-13.9	13.9	13.5	-3.3	13.9	-11.0	9.6
06 16	7.1	-5.2	-4.8	15.4	13.2	-8.0	8.5	8.0	-4.6	7.7	-6.7	6.6
06 20	8.0	-3.6	-4.2	12.8	11.9	-7.4	8.0	6.9	-3.6	7.7	-6.7	6.6
06 24	4.4	-4.0	-4.2	12.8	11.9	-7.4	8.0	6.9	-3.6	7.7	-6.7	6.6
07 00	3.7	1.0	-3.6	11.7	-1.7	-11.3	10.4	5.5	-2.5	9.5	-1.7	-1.6
07 08	3.8	3.1	-2.1	10.1	2.4	-8.0	8.5	3.5	-2.4	9.2	-1.7	-1.6
07 12	4.3	3.6	-2.5	10.2	2.0	-8.3	8.8	3.8	-2.3	9.2	-1.7	-1.6
07 16	3.7	3.0	-1.4	7.5	1.8	-7.3	7.8	0.4	-2.0	8.8	-1.3	-1.2
07 20	2.8	2.7	-0.6	6.5	4.5	-5.1	9.1	1.0	-8.7	8.5	-1.7	-1.6
07 24	5.3	5.0	-1.6	1.9	-1.0	-3.1	11.1	2.6	-10.7	10.6	-1.7	-1.6
08 00	11.3	11.1	-1.0	7.9	7.6	-2.3	12.1	5.6	-10.8	10.7	-1.7	-1.6
08 08	10.2	10.1	-1.0	7.9	7.6	-2.3	12.1	5.6	-10.8	10.7	-1.7	-1.6
08 12	23.2	2.5	1.5	5.0	-0.6	-7.9	7.2	3.3	-9.5	1.1	-2.5	-2.4
08 16	22.6	2.14	7.2	3.5	3.4	0.8	9.4	6.6	-6.7	4.7	-4.5	-4.4
08 20	20.0	18.4	7.9	0.7	0.1	-9.1	7.6	5.2	-1.8	0.5	-10.6	-10.5
08 24	14.5	12.9	6.6	1.1	-0.9	-10.6	10.2	6.8	-1.8	0.3	-10.6	-10.5
09 00	8.3	3.8	-7.4	1.6	-1.5	-0.7	9.9	7.7	-2.2	5.1	-1.4	-1.3
09 08	10.6	2.9	-7.4	1.2	-1.1	-0.6	14.6	14.3	-1.8	1.8	-1.4	-1.3
09 12	8.8	3.4	-8.1	1.6	-1.5	-0.5	13.9	13.8	-1.9	4.8	-1.4	-1.3
09 16	1.6	2.4	-0.6	12.5	12.2	-2.7	9.5	9.3	-1.8	4.8	-1.4	-1.3
09 20	9.3	0.0	9.3	1.4	-1.2	-0.7	16.7	16.5	-1.5	5.5	-1.4	-1.3
09 24	0.5	-0.1	-0.5	-0.4	-0.8	-0.4	15.3	15.3	-1.5	5.5	-1.4	-1.3
10 00	11.0	10.6	-2.7	1.4	-2.0	-0.2	10.6	10.6	-2.0	3.4	-2.0	-1.9
10 08	8.7	3.0	-3.6	11.7	-1.7	-11.3	10.4	5.5	-2.5	9.1	-1.7	-1.6
10 12	23.2	2.5	1.5	5.0	-0.6	-7.9	7.2	3.3	-9.5	1.1	-2.5	-2.4
10 16	22.6	2.14	7.2	3.5	3.4	0.8	9.4	6.6	-6.7	4.7	-4.5	-4.4
10 20	20.0	18.4	7.9	0.7	0.1	-9.1	7.6	5.2	-1.8	0.5	-10.6	-10.5
10 24	14.5	12.9	6.6	1.1	-0.9	-10.6	10.2	6.8	-1.8	0.3	-10.6	-10.5
11 00	8.3	3.7	-7.4	1.6	-1.5	-0.7	9.9	7.7	-2.2	5.1	-1.4	-1.3
11 08	10.6	2.9	-7.4	1.2	-1.1	-0.6	14.6	14.3	-1.8	1.8	-1.4	-1.3
11 12	8.8	3.4	-8.1	1.6	-1.5	-0.5	13.9	13.8	-1.9	4.8	-1.4	-1.3
11 16	1.6	2.4	-0.6	12.5	12.2	-2.7	9.5	9.3	-1.8	4.8	-1.4	-1.3
11 20	9.3	0.0	9.3	1.4	-1.2	-0.7	16.7	16.5	-1.5	5.5	-1.4	-1.3
11 24	0.5	-0.1	-0.5	-0.4	-0.8	-0.4	15.3	15.3	-1.5	5.5	-1.4	-1.3
12 00	10.6	2.9	-7.4	1.2	-1.1	-0.6	14.6	14.3	-1.8	1.8	-1.4	-1.3
12 08	8.8	3.4	-8.1	1.6	-1.5	-0.5	13.9	13.8	-1.9	4.8	-1.4	-1.3
12 12	1.6	2.4	-0.6	12.5	12.2	-2.7	9.5	9.3	-1.8	4.8	-1.4	-1.3
12 16	9.3	0.0	9.3	1.4	-1.2	-0.7	16.7	16.5	-1.5	5.5	-1.4	-1.3
12 20	0.5	-0.1	-0.5	-0.4	-0.8	-0.4	15.3	15.3	-1.5	5.5	-1.4	-1.3
12 24	10.6	2.9	-7.4	1.2	-1.1	-0.6	14.6	14.3	-1.8	1.8	-1.4	-1.3
13 00	8.7	0.7	-3.3	-0.1	-15.0	-5.0	-2.5	-2.1	-0.7	9.1	-5.6	-1.2
13 08	0.5	-0.1	-0.5	-0.4	-0.8	-0.4	15.3	15.3	-1.5	5.5	-1.4	-1.3
13 12	11.0	10.6	-2.7	1.4	-2.0	-0.2	14.6	14.3	-1.8	1.8	-1.4	-1.3
13 16	9.3	18.7	-5.4	-5.2	-0.4	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
13 20	18.3	9.7	-5.4	-5.2	-0.4	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
13 24	18.3	9.7	-5.4	-5.2	-0.4	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 00	18.0	9.7	-5.4	-5.2	-0.4	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 08	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 12	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 16	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 20	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 24	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
14 28	21.6	2.7	-21.5	4.0	-0.6	-2.0	8.6	7.6	-5.4	5.4	-5.4	-5.4
15 00	8.0	-0.4	-16.8	-3.6	16.4	7.2	-6.7	-21.9	20.3	8.2	7.3	-5.5
15 08	8.0	-0.4	-16.8	-3.6	16.4	7.2	-6.7	-21.9	20.3	8.2	7.3	-5.5
15 12	6.9	6.3	0.6	-21.9	20.8	8.0	-7.4	7.0	-3.5	11.0	-6.0	-1.0
15 16	7.8	7.4	2.4	13.1	13.6	8.1	32.2	24.9	-20.3	7.0	-5.7	-3.7
15 20	18.0	7.4	2.4	13.1	13.6	8.1	32.2	24.9	-20.3	7.0	-5.7	-3.7
15 24	9.1	7.2	5.5	1.0	-0.5	-0.5	11.3	11.3	-1.0	1.7	-0.5	-0.5
16 00	10.4	7.4	3.3	-9.8	1.1	-0.5	11.3	11.3	-1.0	1.7	-0.5	-0.5
16 08	11.6	9.4	3.1	-9.8	1.1	-0.5	11.3	11.3	-1.0	1.7	-0.5	-0.5
16 12	12.0	11.6	3.1	-9.8	1.1	-0.5	11.3	11.3	-1.0	1.7	-0.5	-0.5
16 16	12.0	11.6	3.1	-9.8	1.1	-0.5	11.3	11.3	-1.0	1.7	-0.5	-0.5
16 20	10.1	10.0	2.2	-2.9	2.2	-1.9	12.6	12.6	-1.5	1.0	-0.5	-0.5
16 24	20.0	10.6	2.2	-2.9	2.2	-1.9	12.6	12.6	-1.5	1.0	-0.5	-0.5
17 00	6.3	5.6	2.9	-2.7	2.2	-1.9	12.6	12.6	-1.5	1.0	-0.5	-0.5
17 08	6.3	5.6	2.9	-2.7	2.2	-1.9	12.6	12.6	-1.5	1.0	-0.5	-0.5
17 12	6.3	5.6	2.9	-2.7	2.2	-1.9	12.6	12.6	-1.5	1.0	-0.5	-0.5

Dzień/Godzina

Jan	v	u	v	Feb	v	u	v	Mar	v	u	v	Apr	v	u	v	May	v	u	v	Jun	v	u	v	Jul	v	u	v	Aug	v	u	v	Sep	v	u	v	Oct	v	u	v	Nov	v	u	v	Dec	v	u	v
01 00	10.4	2.6	10.1	15.2	15.0	2.3	3.6	-3.6	-0.7	15.9	15.7	-2.8	4.2	0.3	4.1	8.9	-7.4	-4.8	8.9	3.3	-8.3	2.0	-0.5	6.7	-1.5	6.5	8.8	1.7	8.6	17.1	16.6	4.0	6.1	-6.1	-0.4												
01 06	11.1	2.8	10.7	13.8	13.6	2.4	1.1	-1.1	0.0	16.7	16.1	4.5	5.7	4.8	3.1	9.5	-8.3	-4.7	9.7	3.5	-9.0	2.6	0.1	2.9	1.6	2.5	6.3	-0.5	16.2	16.1	14.7	6.7	3.8	-2.9	-2.4												
01 12	10.9	2.2	10.6	15.3	15.3	-0.1	1.2	-0.7	1.0	13.3	13.2	-2.0	8.3	7.8	2.9	10.4	-9.4	-4.5	8.4	2.3	-8.6	2.9	3.5	2.3	1.1	-2.0	0.6	0.5	0.4	14.3	10.5	9.7	2.1	-2.0	-1.9												
01 18	9.6	0.9	9.5	15.2	15.2	-1.1	2.3	-0.4	2.3	10.2	10.1	1.9	7.1	5.7	4.3	9.2	-8.6	-2.2	9.5	2.0	-8.5	2.8	1.1	-0.2	0.3	4.1	-3.7	1.7	13.4	10.9	7.8	2.5	0.4	2.5													
02 00	7.9	-3.4	7.2	17.3	17.3	-1.6	2.8	0.2	2.8	10.8	7.8	7.5	6.2	4.7	4.0	8.1	-8.1	-1.3	6.4	-2.7	-5.8	1.6	-0.2	1.6	2.0	-0.1	2.9	4.9	-1.8	11.0	7.8	8.0	2.5	0.5	2.4												
02 06	8.5	-3.4	8.2	14.1	12.6	6.4	4.1	-2.5	3.3	8.2	7.2	4.4	8.0	7.4	-2.2	9.9	-3.3	3.6	6.4	-5.8	6.6	6.2	-3.0	0.4	0.0	0.4	0.6	2.1	1.6	10.0	2.9	9.6	4.6	4.7	3.3												
02 12	8.5	-8.5	-2.2	14.1	12.6	6.4	4.1	-2.5	3.3	8.2	7.2	4.4	8.0	7.4	-2.2	9.9	-3.3	3.6	6.4	-5.8	6.6	6.2	-3.0	0.4	0.0	0.4	0.6	2.1	1.6	10.0	2.9	9.6	4.6	4.7	3.3												
02 18	6.4	-5.5	-3.2	13.1	12.7	3.4	5.6	-3.3	4.6	8.1	3.9	7.1	8.1	8.5	7.8	3.4	8.9	-8.4	-2.7	5.7	-5.6	-0.9	8.9	0.0	3.4	-1.1	3.3	1.9	1.8	0.7	10.9	3.3	10.4	5.2	4.4	2.7											
03 00	6.2	-2.3	-5.8	12.7	12.6	1.3	5.7	-3.2	4.7	13.4	2.0	13.3	6.9	6.9	0.0	8.5	-8.1	2.6	5.0	-5.0	-0.7	8.9	-8.4	-3.0	2.3	-1.4	1.8	2.5	-0.3	2.5	9.9	6.5	5.8	2.9	2.4	2.7											
03 06	7.7	0.5	-7.6	9.8	-9.8	-0.7	6.2	-4.6	4.2	14.1	5.7	12.9	6.3	6.1	-1.8	10.2	-8.6	5.4	6.8	-6.2	2.9	9.8	-3.3	-5.1	5.8	-3.4	4.6	3.0	-0.2	3.0	10.1	3.7	9.4	6.5	5.2	3.6											
03 12	7.0	3.3	-5.9	4.6	4.4	5.5	-4.4	3.2	8.0	8.0	-1.0	5.1	4.8	-1.6	12.2	-9.4	7.7	6.4	-5.4	3.6	10.7	-5.5	5.8	-4.3	3.8	2.7	-1.0	2.5	11.0	2.6	10.7	5.0	5.0	3.0													
03 18	4.2	4.1	-0.8	2.3	-0.7	2.2	4.3	-1.7	4.0	5.6	5.4	0.4	4.0	3.9	-0.9	9.1	-5.3	7.3	1.0	-0.7	6.6	7.9	-3.5	3.9	10.3	7.3	7.3	6.1	5.3	4.5																	
03 24	4.6	3.9	4.2	6.5	-4.1	5.1	3.0	0.2	9.0	8.5	31.1	4.3	4.3	-0.5	9.1	-5.3	7.3	1.0	-0.7	6.6	7.9	-3.5	3.9	10.3	7.3	7.3	6.1	5.3	4.5																		
04 00	7.0	2.4	6.6	8.0	5.3	6.0	4.6	4.5	-0.8	15.5	14.7	4.9	4.5	4.4	1.1	7.8	-4.3	6.5	1.6	-1.6	6.3	3.5	-5.2	7.9	5.1	8.3	0.4	14.2	11.2	8.7	5.9	5.2	2.8														
04 06	7.0	2.4	6.6	8.0	5.3	6.0	4.6	4.5	-0.8	15.5	14.7	4.9	4.5	4.4	1.1	7.8	-4.3	6.5	1.6	-1.6	6.3	3.5	-5.2	7.9	5.1	8.3	0.4	14.2	11.2	8.7	5.9	5.2	2.8														
04 12	7.0	2.4	6.6	8.0	5.3	6.0	4.6	4.5	-0.8	15.5	14.7	4.9	4.5	4.4	1.1	7.8	-4.3	6.5	1.6	-1.6	6.3	3.5	-5.2	7.9	5.1	8.3	0.4	14.2	11.2	8.7	5.9	5.2	2.8														
04 18	14.7	-1.4	16.6	6.7	-0.2	11.5	11.4	0.8	18.0	17.6	38.1	5.3	4.0	-4.0	14.7	5.4	3.4	4.2	4.0	-0.2	4.0	-5.6	-1.5	-3.6	11.2	-7.7	7.4	2.2	1.1	1.1																	
04 24	15.0	-1.4	16.6	6.7	-0.2	11.5	11.4	0.8	18.0	17.6	38.1	5.3	4.0	-4.0	14.7	5.4	3.4	4.2	4.0	-0.2	4.0	-5.6	-1.5	-3.6	11.2	-7.7	7.4	2.2	1.1	1.1																	
05 00	15.2	-1.9	15.1	5.9	3.5	4.7	13.9	13.9	1.0	19.0	18.9	2.0	16.7	-3.5	16.4	5.2	-0.6	5.1	3.1	0.6	3.0	-4.1	1.1	-3.8	9.4	-7.0	6.2	6.1	-0.1	6.1	5.0	5.2	2.4	2.4	2.7												
05 06	13.0	-2.0	12.8	6.0	2.6	5.4	11.6	13.3	2.5	14.6	14.4	2.3	18.1	-3.1	17.8	9.6	-1.1	9.6	3.0	-0.2	3.0	1.3	-10.8	1.1	0.1	8.1	6.3	2.2	2.0	2.7	2.0	1.0	1.0														
05 12	7.9	4.0	4.6	5.7	0.5	5.7	9.9	9.1	3.8	5.8	5.5	1.6	7.0	13.0	-2.7	12.7	1.8	-1.6	0.7	2.8	-2.5	-1.3	9.3	-7.4	5.6	9.1	-0.1	5.3	4.4	1.6	1.6	1.6	1.6														
05 18	5.7	4.9	4.2	9.6	-1.7	9.5	9.2	7.9	4.6	3.3	3.1	1.0	7.2	6.7	-6.2	9.9	-0.7	9.9	2.9	-1.8	2.2	2.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1												
05 24	5.1	4.6	4.2	12.7	12.6	2.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
06 00	10.7	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
06 06	11.2	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
06 12	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
06 18	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
06 24	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
07 00	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
07 06	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
07 12	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
07 18	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
07 24	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
08 00	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
08 06	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
08 12	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
08 18	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
08 24	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
09 00	12.1	-9.5	4.8	13.2	13.2	4.7	12.3	4.2	1.0	12.0	12.1	3.0	1.0	6.0	-6.1	1.0	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1	6.1	0.1											
09 06	12.1	-9.5	4.8	13.2																																											

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Dzień/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	6.5	6.5	-0.4	18.2	17.7	-1.1	7.0	-6.1	3.5	13.0	10.3	7.9	10.8	-10.3	-3.0	8.9	8.7	-1.7	8.8	8.2	-3.2	7.3	-4.9	5.3	9.3	8.3	-0.1	8.0	7.5	2.9	21.8	16.0	-14.9	3.4	-0.1	-3.4												
01 08	8.3	8.4	-0.6	21.2	20.7	-7.0	6.1	-5.4	2.8	4.2	4.1	0.7	12.2	-12.1	-1.2	10.7	9.7	-4.2	9.8	9.2	-0.4	7.4	-5.8	6.8	12.1	12.1	-0.1	11.8	10.0	5.6	16.1	12.4	-13.3	3.9	-1.1	-3.8												
01 12	6.4	5.5	-0.6	14.8	14.7	-1.7	7.4	-6.0	4.4	11.5	10.8	-4.1	14.8	-14.8	0.3	9.4	8.3	-4.1	7.4	-7.4	-0.6	7.3	-5.4	4.9	10.0	8.5	-3.0	20.3	-20.3	-0.9	29.2	28.4	-6.7	4.0	-0.2	-3.8												
02 00	6.9	4.3	5.4	11.6	10.9	4.1	6.5	-5.4	3.7	10.5	7.1	7.8	13.0	-13.0	0.7	9.1	8.5	-3.2	10.1	9.8	-2.6	7.0	-5.9	3.8	9.6	8.9	-3.7	22.4	22.0	-4.1	43.4	36.2	-23.8	1.8	-0.5	-1.7												
02 12	12.3	-0.6	12.2	16.2	4.5	15.6	6.3	-5.5	3.0	12.2	5.0	-1.2	12.4	-11.7	4.2	7.3	7.1	-1.6	13.6	13.1	-3.6	10.0	-8.8	4.8	9.0	8.0	-4.2	19.0	15.1	-11.4	12.1	12.0	-2.1	11.8	10.1	6.2												
02 18	8.4	5.9	5.9	14.2	4.7	14.1	7.4	-6.5	3.5	7.2	3.4	-6.1	13.4	-12.2	4.5	6.0	6.0	-0.4	13.6	12.9	-4.3	11.2	-10.4	4.1	5.8	5.2	-2.6	18.4	13.1	-12.8	7.3	6.8	2.8	13.5	12.8	4.2												
03 00	6.8	6.4	2.1	17.0	9.1	14.3	6.7	-6.4	1.7	6.9	3.4	-6.1	11.9	-10.3	6.0	6.3	6.2	-1.4	10.8	10.6	-2.4	10.6	-10.0	3.8	6.3	5.8	-2.5	12.8	8.2	-9.2	13.5	7.2	11.5	14.2	14.2	-0.3												
03 06	6.0	6.0	0.1	17.2	8.7	14.8	7.3	-6.9	6.2	6.2	4.5	-4.3	13.6	-10.9	9.3	7.5	7.5	0.3	9.5	9.1	-2.8	12.9	-10.7	7.2	8.0	7.8	-1.8	10.7	7.7	-7.5	16.2	15.4	5.0	12.7	12.1	3.7												
03 12	7.2	6.6	3.0	14.8	7.2	12.5	6.2	-6.1	1.3	10.2	4.4	-6.2	13.8	-10.9	7.8	5.1	5.1	0.4	9.5	9.2	-3.6	11.9	-8.8	6.0	7.2	7.2	0.1	7.8	7.8	-2.0	24.8	20.9	26.8	12.1	9.7	7.0												
03 18	7.1	6.4	4.4	11.3	5.3	7.2	3.4	-5.4	1.4	10.6	4.5	-5.2	12.2	-12.2	5.9	4.3	4.3	-0.5	9.3	9.0	-2.5	12.5	-9.8	6.0	7.1	7.1	-0.5	7.0	7.0	-2.7	26.9	20.8	-12.4	12.4	12.4	7.9												
04 00	5.7	-3.6	4.5	6.7	1.3	-6.6	1.0	-0.9	-0.4	11.7	11.1	-3.7	13.5	-10.6	8.3	3.8	3.4	1.5	13.2	10.5	-8.0	7.8	-7.4	2.6	7.6	7.3	-2.1	9.4	9.1	-2.2	18.0	17.1	-5.5	0.2	0.1	0.1												
04 06	4.2	-1.3	4.0	11.6	0.6	-11.6	1.5	-0.3	9.0	8.8	-1.9	14.6	-10.6	10.0	3.1	0.2	3.1	11.7	8.9	-7.7	6.1	-4.9	3.7	4.7	3.1	-3.6	14.4	13.8	-4.3	10.4	9.0	5.3	4.7	-0.7	-4.6													
04 12	4.3	-1.0	4.1	9.6	0.6	-9.8	4.8	-4.2	-2.3	8.0	7.9	-1.2	13.3	-11.5	6.8	3.9	-3.9	0.0	7.4	6.7	-3.1	5.0	-4.9	1.0	4.0	1.4	-3.8	14.6	12.0	-8.3	14.7	10.0	10.8	8.5														
04 18	6.0	-1.7	5.7	7.0	1.5	-6.8	4.1	3.9	-1.2	7.8	7.6	-1.7	12.1	-10.2	6.5	5.6	-5.0	-2.5	7.1	6.3	-3.3	4.4	-4.4	-0.4	3.0	1.9	-2.3	12.8	11.4	-5.3	11.7	11.7	-1.1	8.7	4.2													
05 00	6.0	-1.3	5.9	4.9	1.4	-4.7	4.4	3.8	-2.4	7.3	7.2	-0.7	10.3	-8.6	5.6	6.8	-5.0	-4.6	8.1	7.6	-2.6	3.4	-3.0	-1.6	3.9	3.7	-1.3	14.3	10.7	-9.5	9.2	6.9	-6.0															
05 06	7.0	-0.9	6.9	4.3	3.1	-2.9	5.2	4.8	-2.0	5.5	5.5	0.2	7.6	-6.3	4.2	8.4	-6.0	-5.9	9.8	8.3	-0.1	3.5	-3.2	-2.2	6.2	6.0	-1.7	10.1	5.5	-8.4	11.8	11.4	-3.1	10.3	9.1	-4.9												
05 12	7.5	-2.0	7.2	7.1	6.4	-3.2	10.8	9.2	-2.6	5.0	2.0	0.3	5.1	-4.6	2.1	10.1	-7.7	-6.8	8.1	-0.8	4.9	-4.2	4.9	-4.5	2.0	4.2	-3.5	11.2	11.2	-1.3	7.1	6.8	-2.0															
05 18	8.4	-3.3	7.8	8.4	-2.7	2.2	13.2	12.1	-5.3	1.0	0.2	0.2	6.2	-5.2	1.0	11.7	-7.0	-6.5	7.0	-0.1	3.7	-0.7	0.9	0.3	6.3	5.4	-5.4	1.8	1.8	-2.7	11.4	11.4	-3.5	11.4	11.4	-1.5												
05 24	8.2	-2.8	8.5	12.5	6.0	-6.7	11.8	11.8	-7.0	2.3	2.3	-2.2	11.7	-10.5	5.7	10.6	-8.2	-6.6	7.0	-1.6	12.5	-12.5	5.2	1.2	1.2	-0.1	12.5	-12.5	-0.1	20.7	-20.7	-0.1	20.7	-20.7	-0.1													
06 00	8.3	-5.5	6.3	7.4	1.3	-11.5	11.3	-6.2	2.1	6.2	5.6	-2.7	1.4	-0.7	1.3	7.4	-7.3	-6.0	8.3	-0.4	1.3	-0.5	4.4	-4.4	1.3	1.3	0.1	0.5	-0.4	-0.3	7.1	6.8	-4.0	5.4	-5.0	0.2												
06 06	8.3	-5.5	6.3	7.4	1.3	-11.5	11.3	-6.2	2.1	6.2	5.6	-2.7	1.4	-0.7	1.3	7.4	-7.3	-6.0	8.3	-0.4	1.3	-0.5	4.4	-4.4	1.3	1.3	0.1	0.5	-0.4	-0.3	7.1	6.8	-4.0	5.4	-5.0	0.2												
06 12	8.5	-5.4	6.6	5.4	2.7	-2.6	19.3	17.8	-7.4	0.7	-0.2	0.2	6.8	-6.6	0.6	1.5	-0.1	6.6	-3.9	-5.3	1.5	1.5	0.4	6.4	-6.1	2.0	-2.1	1.1	1.1	0.4	0.4	3.7	-6.7	-3.8	7.4	-7.4	0.5											
06 18	7.5	-3.6	6.5	3.7	2.7	2.6	19.3	17.8	-7.4	0.7	-0.2	0.2	6.8	-6.6	0.6	1.5	-0.1	6.6	-3.9	-5.3	1.5	1.5	0.4	6.4	-6.1	2.0	-2.1	1.1	1.1	0.4	0.4	3.7	-6.7	-3.8	7.4	-7.4	0.5											
07 00	6.5	-0.8	6.4	16.2	2.1	-6.7	16.4	-7.2	0.7	2.2	1.1	-0.2	11.7	-10.5	5.7	10.6	-8.2	-6.6	16.9	-5.0	-0.1	1.3	-1.3	0.7	1.3	-0.9	0.3	1.3	-1.3	0.7	1.3	-0.9	0.3	1.3	-1.3	0.7												
07 12	9.2	-2.8	8.8	12.7	0.7	2.0	11.8	8.9	-7.7	6.1	-6.0	4.5	10.0	-11.7	10.8	-10.0	4.5	10.0	-11.7	10.8	-10.0	4.5	10.0	-11.7	10.8	-10.0	4.5	10.0	-11.7	10.8	-10.0	4.5	10.0	-11.7	10.8													
07 18	9.7	-1.7	9.6	11.0	3.6	10.4	18.7	18.4	-2.9	1.5	-0.2	1.5	1.4	-1.4	0.3	0.3	0.2	1.4	4.2	-7.0	4.5	-1.0	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4										
08 00	9.6	-2.5	9.3	11.0	3.6	10.4	18.7	18.4	-2.9	1.5	-0.2	1.5	1.4	-1.4	0.3	0.3	0.2	1.4	4.2	-7.0	4.5	-1.0	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4										
08 06	9.1	-2.5	9.0	11.0	3.6	10.4	18.7	18.4	-2.9	1.5	-0.2	1.5	1.4	-1.4	0.3	0.3	0.2	1.4	4.2	-7.0	4.5	-1.0	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4										
08 12	8.7	-1.7	8.6	11.0	3.6	10.4	18.7	18.4	-2.9	1.5	-0.2	1.5	1.4	-1.4	0.3	0.3	0.2	1.4	4.2	-7.0	4.5	-1.0	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4										
08 18	8.7	-1.7	8.6	11.0	3.6	10.4	18.7	18.4	-2.9	1.5	-0.2	1.5	1.4	-1.4	0.3	0.3	0.2	1.4	4.2	-7.0	4.5	-1.0	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4	-1.4	0.3	0.3	0.2	1.4										
08 24	8.4	-5.3	6.5	7.0	-5.1	4.8	5.8	-5.7	0.7	15.4	15.1	3.3	9.0	6.3	8.4	-2.4	2.9	-2.0	8.6	-8.6	4.0	-8.6	4.0	-7.7	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9	-2.6	3.9					
09 00	8.5	-5.2	7.3	11.9	-5.4	2.0	11.6	-10.4	10.4	2.8	-1.5	2.6	2.9	-2.6	3.2	-2.9	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2	-3.2	3.2									
09 06	13.4	-6.6	11.7	9.3	-5.9	7.2	8.9	-8.9	1.1	6.7	-0.2	6.7	8.7	8.0	3.6	3.4	-3.3	-0.9	10.2	6.6	-7.6	8.9	-7.9	5.1	4.7	-2.0	10.8	4.7	-9.7	13.7	-10.2	9.1																
09 12	15.5	-7.2	13.8	6.1	-3.8	4.8	8.6																																									

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Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	1.7	0.0	-1.7	4.8	2.7	-4.0	6.7	1.1	-6.6	15.4	-0.2	15.4
01 08	2.1	-0.3	4.8	4.2	-2.5	8.6	6.9	-5.5	9.5	6.4	0.3	0.2
01 16	2.7	-1.4	8.8	5.8	-2.0	10.2	19.8	4.0	11.0	4.4	10.1	4.6
01 24	5.1	-0.4	-3.1	8.1	5.2	7.1	14.0	13.0	5.1	11.8	11.4	-1.9
02 01	21.3	2.12	2.5	8.1	5.2	7.1	14.0	13.0	6.0	0.2	11.5	11.5
02 06	21.3	2.12	2.5	8.1	5.2	7.1	14.0	13.0	5.1	-0.2	11.5	11.5
02 12	23.7	0.3	13.0	5.0	12.9	8.9	8.7	1.9	13.5	13.5	-1.1	12.2
02 18	22.1	2.21	-0.6	17.0	6.8	15.6	6.0	6.0	0.2	11.5	11.5	-1.9
02 24	10.9	1.08	-1.7	7.1	7.0	-0.4	20.1	19.8	3.9	9.0	6.2	6.5
03 00	15.2	1.46	4.0	15.3	7.9	13.1	3.4	3.3	1.0	6.7	6.5	-1.8
03 06	12.8	1.26	2.0	13.0	8.8	9.6	4.9	1.2	4.8	3.8	1.5	-3.5
03 12	14.2	1.42	1.1	6.2	2.8	2.0	6.4	2.7	5.9	4.9	-0.4	4.8
03 18	15.1	0.9	0.5	15.5	9.3	14.9	5.9	-0.4	4.8	2.2	1.3	3.1
03 24	10.2	1.2	1.2	13.8	12.6	8.9	8.7	1.5	-8.6	4.8	0.7	-4.7
04 00	10.2	1.2	1.2	13.8	12.6	8.9	8.7	1.5	-8.6	4.8	0.7	-4.7
04 06	18.4	1.45	11.3	14.7	12.5	7.8	6.5	-0.2	6.5	18.5	-12.4	-13.7
04 12	20.6	1.92	7.4	10.7	10.7	-0.9	7.7	-7.0	3.1	11.7	-3.3	-11.2
04 18	17.2	1.72	-1.3	11.0	10.9	-1.5	11.3	-10.3	4.5	7.3	7.3	-1.9
05 00	7.6	6.4	4.0	8.0	7.9	6.1	13.1	-11.6	6.2	16.3	8.6	13.9
05 06	2.6	0.9	2.4	4.3	4.7	-1.1	15.9	-14.5	6.7	24.3	8.3	22.9
05 12	6.9	-6.9	0.0	4.1	5.5	-3.2	20.0	-19.4	7.0	23.6	14.7	-13.4
05 18	11.4	-10.9	-3.4	2.6	14.4	-15.6	-13.1	8.5	22.2	4.9	22.0	1.3
05 24	11.0	-1.6	-1.6	16.6	16.6	-1.4	14.4	-14.4	8.4	22.2	4.9	22.0
06 00	14.0	5.8	-12.7	4.2	-0.6	-4.2	-16.6	-1.7	19.6	5.8	17.4	-9.3
06 06	14.5	1.31	-6.2	12.1	-1.8	-11.9	19.1	3.5	18.8	15.0	6.1	13.7
06 12	16.8	8.3	0.7	12.7	5.3	-5.7	10.9	6.5	-0.4	8.6	8.3	2.5
06 18	17.2	1.72	-1.3	11.0	10.9	-1.5	11.3	-10.3	4.5	7.3	7.3	-1.9
07 00	5.1	4.5	2.3	14.4	14.2	-2.7	18.6	17.3	6.9	9.7	-0.3	16.6
07 06	1.9	1.6	1.0	11.2	10.6	-3.7	14.2	13.0	5.6	15.2	-1.1	15.1
07 12	2.8	-2.7	0.7	10.8	10.9	0.5	7.6	3.0	6.9	16.9	-2.5	16.5
07 18	6.9	-6.3	-2.7	13.8	10.8	8.6	8.4	-6.9	4.8	15.1	-1.5	15.1
08 00	10.9	9.3	-5.7	17.3	8.0	19.1	11.9	-1.5	10.9	12.9	8.4	10.9
08 06	11.0	1.4	-1.6	16.6	16.6	-1.4	14.4	-14.4	8.4	10.2	8.4	10.9
08 12	7.5	4.5	-6.0	12.6	12.6	8.0	8.5	16.0	-1.0	12.0	10.4	-1.0
08 18	4.8	-2.3	-4.2	15.2	15.1	-2.7	18.6	12.8	6.9	14.6	-2.4	14.6
09 00	3.8	-1.3	-16.4	16.4	17.7	-2.8	6.4	6.4	0.3	12.5	-1.3	16.4
09 06	0.5	0.4	15.4	15.4	-0.3	12.9	-4.7	12.0	7.8	-7.6	10.5	-0.3
09 12	2.5	1.3	2.1	9.4	0.4	10.9	-4.4	10.0	12.8	-12.6	24.1	-10.9
09 18	6.8	1.1	6.7	3.3	3.4	-1.3	8.4	-2.4	7.7	15.7	-1.5	15.1
10 00	10.0	1.4	9.9	2.1	2.0	0.0	5.1	-5.5	17.0	-17.0	1.0	1.0
10 06	10.1	1.53	3.8	2.1	2.9	1.9	-1.4	12.0	13.0	-9.1	13.8	-1.5
10 12	14.5	1.4	1.4	15.5	15.5	-3.2	14.0	-14.0	8.4	14.5	-1.4	14.5
10 18	14.9	2.1	14.8	4.6	4.6	-0.7	4.7	-2.4	18.4	-18.4	8.0	8.0
11 00	13.9	1.32	6.8	-6.0	2.6	9.7	8.6	4.6	-3.6	14.9	-11.8	6.9
11 06	12.5	-1.4	12.4	6.7	-4.4	-5.1	6.3	15.1	13.3	7.2	-10.7	11.0
11 12	9.6	0.1	9.6	6.1	-1.8	-5.9	5.7	1.9	15.3	14.9	14.6	6.1
11 18	6.8	1.0	6.7	7.3	2.4	-6.6	7.7	15.7	-15.5	8.4	8.4	-2.7
12 00	6.2	1.8	6.0	6.2	4.2	-8.5	6.5	8.2	8.2	17.5	-15.1	8.0
12 06	8.3	2.3	8.0	6.5	6.5	-3.2	8.3	8.7	17.5	-17.5	8.4	8.0
12 12	10.2	4.8	9.0	6.5	6.5	-2.6	10.8	6.0	7.2	11.2	-11.5	6.3
12 18	11.9	1.4	11.9	6.5	6.5	-3.9	11.4	6.5	7.2	11.2	-11.5	6.5
13 00	11.5	-4.6	10.5	-2.7	12.7	7.9	-7.5	11.7	6.1	11.5	-1.7	11.5
13 06	9.8	-3.4	9.2	-5.7	6.7	-1.4	14.6	9.8	9.8	-9.3	9.9	-4.4
13 12	12.5	-0.1	5.2	17.4	12.1	12.5	3.8	-3.4	9.1	12.5	-11.7	12.5
13 18	3.3	2.8	1.0	-10.4	2.8	2.4	-2.0	-1.4	5.8	-1.7	-5.5	1.3
14 00	3.7	3.5	1.2	5.8	-3.2	-3.8	2.5	-2.2	8.8	-1.4	-3.7	1.5
14 06	3.1	2.8	-1.3	8.4	3.9	-7.9	2.6	-0.6	2.6	7.5	0.1	-7.7
14 12	1.7	-0.2	11.6	14.4	4.0	-1.2	13.8	7.4	7.4	-2.4	11.7	-1.7
14 18	3.4	-3.0	-1.6	10.4	8.2	-6.5	4.0	-2.4	4.0	5.4	-0.2	4.0
15 00	5.0	-5.7	4.1	14.4	14.4	5.1	5.1	-5.1	14.4	14.4	-5.1	14.4
15 06	5.7	-5.6	1.2	6.0	-5.8	4.9	-4.7	5.6	1.2	13.0	-1.2	13.0
15 12	5.2	-5.2	-0.6	10.3	-6.3	8.2	5.3	-3.3	-0.2	3.3	-2.3	3.3
15 18	7.0	-6.9	1.3	5.8	-5.0	5.3	-2.0	2.2	-4.7	5.8	-1.5	5.8
16 00	11.4	-11.3	1.2	1.4	-1.6	1.8	-1.6	1.8	1.8	11.3	-1.2	11.3
16 06	3.4	-3.4	1.4	1.4	-3.4	1.4	-3.4	1.4	1.4	1.4	-3.4	1.4
16 12	12.0	-10.9	2.2	2.2	-1.7	2.2	-1.7	2.2	2.2	12.0	-2.2	12.0
16 18	19.7	-1.77	1.1	7.3	7.0	6.6	7.1	9.2	7.0	10.8	-6.6	10.8
17 00	18.6	-18.5	2.4	10.8	7.5	7.2	11.8	11.8	0.3	11.2	10.9	-1.5
17 06	1.6	-1.6	0.4	1.4	1.4	-0.7	12.0	12.0	5.5	12.0	-12.0	12.0
17 12	20.0	-19.9	2.2	2.2	-1.7	2.2	-1.7	2.2	2.2	12.0	-12.0	12.0
17 18	18.6	-18.6	0.2	7.1	3.5	6.1	21.7	21.7	0.8	3.9	-3.4	18.6
18 00	18.0	-18.0	-0.1	6.3	2.7	5.6	20.9	20.9	-2.1	4.6	-4.6	18.0
18 06	15.7	-15.6	2.2	4.7	-1.2	17.4	16.3	16.3	-0.7	10.0	-10.0	15.7
18 12	13.4	-1.1	1.2	1.4	-1.6	1.2	-1.6	1.2	1.2	14.3	-1.2	14.3
18 18	13.4	-1.1	1.2	1.4	-1.6	1.2	-1.6	1.2	1.2	14.3	-1.2	14.3
19 00	8.9	-8.9	0.1	7.4	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	8.9
19 06	5.4	-5.4	0.3	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	5.4
19 12	3.4	-3.4	0.3	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	3.4
19 18	1.6	-1.6	0.4	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	1.6
20 00	1.4	-1.3	0.6	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	1.4
20 06	1.7	-1.6	0.8	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	1.7
20 12	1.7	-1.6	0.8	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	1.7
20 18	1.7	-1.6	0.8	7.0	-6.4	3.6	12.9	12.9	-2.8	7.0	-7.0	1.7
20 24	3.4	-3.4	1.5	13.0	13.4	1.9	0.7	-0.7	12.0	-12.0	0.7	-12.0
21 00	3.6	-2.7	2.4	-14.5	-9.5	11.0	6.6	5.5	-3.7	12.0	-12.0	3.6
21 06	3.8	-3.0	2.4	-14.9	-9.3	15.1	0.5	1.1	-2.7	12.0	-12.0	3.8
21 12	3.9	-2.9	2.7	-12.5	-9.3	15.1	0.5	1.1	-2.7	12.0	-12.0	3.9
21 18	3.9	-2.9	2.7	-12.5	-9.3	15.1	0.5	1.1	-2.7	12.0	-12.0	3.9
21 24	3.9	-2.9	2.7	-12.5	-9.3	15.1	0.5	1.1	-2.7	12.0	-12.0	3.9
21 30	5.7	-4.1	4.0	-12.8	-8.3	11.9	0.5	1.1	-2.7	12.0	-12.0	3.9
22 00	6.5	-4.3	4.9	-11.2	-7.4	10.8	0.5	1.1	-2.7	12.0	-12.0	4.0
22 06	4.7	-4.0	4.9	-11.2	-7.4	10.8	0.5	1.1	-2.7	12.0	-12.0	4.7
22 12	13.6	-13.7	1.5	-11.6	-6.8	6.8	4.7	-4.6				

Dzień/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	15.0	11.8	-9.3	6.5	6.3	4.7	7.6	-6.8	-3.2	8.0	-3.1	7.3	1.2	0.3	-1.2	7.4	-7.4	-0.7	9.3	3.1	-8.8	3.5	-0.6	3.5	7.4	7.4	-0.7	7.1	6.6	-2.8	10.8	10.4	-2.8	6.8	-3.7	5.6												
01 08	12.7	10.7	-7.7	6.8	4.2	-5.4	8.0	-7.3	-2.8	13.3	-4.1	12.8	2.3	1.4	-1.8	6.8	-6.7	1.0	11.3	6.5	-9.2	4.1	-0.2	4.0	9.4	9.2	-1.7	8.7	8.0	-3.2	11.8	11.3	-3.1	5.4	-4.1	4.1												
01 12	11.5	9.3	-5.3	20.8	-3.3	-20.5	8.4	-8.3	0.3	12.1	-0.5	15.5	-5.7	4.5	-2.0	10.2	-1.5	-2.0	10.8	2.5	-1.8	6.9	-6.9	-0.1	4.1	2.4	-3.4	0.9	-0.9	-0.3	10.9	8.3	5.7	11.0	-5.0	5.6	-4.4	3.9	-2.7									
02 06	13.5	12.3	-5.7	13.9	1.7	-13.8	6.7	-6.6	10.1	10.1	-5.1	8.7	5.1	-3.5	-3.7	4.0	-3.9	0.9	-0.4	8.0	13.3	12.7	3.9	17.3	15.8	-7.1	9.7	9.1	-3.4	4.9	-4.6	1.8																
02 18	7.2	7.1	-1.3	9.3	9.5	-2.7	9.2	-8.0	4.5	8.8	-4.4	7.6	4.3	-1.1	-4.1	3.9	-3.9	0.4	8.7	6.8	-5.4	2.5	-1.6	2.0	13.5	12.1	-6.1	9.1	8.4	-3.5	17.4	16.5	-5.6	5.9	-5.8	0.7												
02 12	12.2	11.4	-4.4	16.9	-1.1	-16.9	7.4	-7.4	-0.5	10.2	-4.3	9.2	4.7	-2.3	-4.1	6.3	6.2	-1.1	3.3	-2.1	-2.5	1.0	-0.1	-1.0	13.2	11.9	5.6	17.4	15.7	-7.4	6.2	-5.1	-3.6	3.8	-3.2	2.0												
03 00	4.1	4.0	0.7	17.3	17.2	-1.8	9.0	-8.9	1.3	7.8	-4.3	6.6	5.1	1.8	-4.8	3.3	-2.7	-1.9	11.2	7.2	-8.5	1.3	-0.4	1.2	12.6	11.7	-4.5	5.0	4.9	-1.1	2.2	2.0	7.3	-7.3	6.3	-5.9	-2.3											
03 06	2.5	1.0	-2.4	22.1	22.1	1.1	9.9	-9.9	1.0	8.0	-3.5	7.2	5.6	3.2	-4.6	1.9	-1.1	-1.6	14.5	8.2	-12.0	1.7	-1.4	1.0	12.6	12.3	-2.4	6.2	6.2	0.0	21.5	19.3	-9.4	6.0	-4.8	-3.6												
03 12	5.2	4.2	-5.1	12.8	8.0	-10.1	10.0	-10.0	9.3	-4.7	8.3	7.1	4.2	-5.0	2.1	-0.4	12.3	-1.2	-1.2	3.3	2.8	0.4	9.8	9.2	-3.5	19.7	17.0	-4.0	5.7	-3.4	-2.7																	
03 18	1.9	1.7	-0.6	14.6	9.6	-15.5	1.6	-1.6	0.2	3.2	-0.3	1.6	0.3	-0.2	-0.4	1.9	-1.9	-1.6	1.3	-1.3	-1.3	2.3	0.4	-0.4	19.8	19.2	-1.3	1.3	-1.3	5.6																		
04 00	9.2	9.3	-9.2	11.7	-5.4	-10.3	8.8	-8.6	-2.0	7.0	-3.2	6.2	5.6	-4.6	-3.2	3.0	-2.9	0.8	13.4	-8.9	-10.0	5.4	-2.4	4.8	12.5	11.2	-5.4	17.6	14.8	-9.5	18.7	16.1	-9.6	4.1	1.9	-3.6												
04 06	12.0	6.7	-9.9	7.6	-1.1	-7.5	7.8	-7.6	-1.9	7.1	-4.0	5.9	2.8	1.3	-2.5	4.3	-3.0	3.1	12.8	-9.2	-8.9	7.0	-2.0	6.7	8.7	8.6	-1.6	15.8	8.6	-13.3	14.0	12.8	-5.7	8.0	7.3	-3.2												
04 12	16.2	12.7	-10.0	7.2	5.9	-4.1	7.4	-5.5	4.9	-8.0	-6.3	4.9	4.0	-2.7	-3.0	6.2	-5.8	2.4	12.0	-8.9	-8.1	1.9	-0.6	1.8	8.9	8.9	-0.5	15.0	13.5	0.5	16.6	16.5	-2.1	15.5														
04 18	17.7	16.6	-6.2	12.4	12.0	-3.1	8.7	-2.1	-8.5	9.9	-8.7	4.7	4.5	-3.5	-2.9	5.9	-5.7	1.7	10.5	-7.9	-7.0	4.0	3.3	2.4	9.0	8.2	-3.8	11.7	-1.6	-11.6	17.9	16.9	-5.9	19.6	-0.1													
05 00	19.7	18.5	-6.8	8.1	7.8	-2.0	8.7	0.8	-9.3	9.3	-3.5	4.6	-3.8	-2.5	5.5	-5.1	2.1	8.1	6.0	-5.5	5.2	3.0	-4.3	14.9	11.4	-9.6	12.1	-3.9	-11.4	25.4	23.1	-10.5	17.0	16.6	-3.6													
05 06	17.2	17.1	-2.0	4.2	1.6	-4.6	0.9	0.5	10.8	-10.2	3.5	4.4	-4.1	-1.7	6.5	-5.6	3.2	6.5	-5.3	-3.8	4.7	3.0	-13.6	14.2	11.7	-8.1	11.2	-1.2	14.0	11.2	-8.5	10.9	7.6	-7.8														
05 12	12.4	12.3	-1.5	2.0	4.2	1.6	-4.6	0.2	4.4	13.0	-1.5	2.0	6.0	-5.4	-0.2	4.2	-2.5	3.7	4.4	-3.6	3.7	1.2	1.1	12.4	11.0	-0.7	10.0	7.6	-2.5	9.6	5.9	-7.6																
05 18	8.5	8.3	-0.3	9.8	-0.7	-5.7	3.0	-0.5	1.3	14.5	-14.4	1.0	8.0	-4.2	-1.8	4.0	-3.5	2.2	8.2	-1.1	-0.1	7.1	-3.4	-6.2	22.2	20.2	-8.9	15.6	14.6	-5.6	16.0	-12.7	-9.6															
05 24	8.0	7.9	-0.5	11.2	-0.5	-11.2	4.1	-4.1	-0.2	12.0	-0.2	12.0	0.1	-0.1	-0.1	1.2	-0.2	1.2	1.2	-0.2	1.2	0.1	-0.1	1.2	1.2	-0.1	1.2	1.2	-0.1	1.2	1.2	-0.1																
06 00	6.6	-0.2	14.8	11.2	-0.2	-11.2	2.1	-2.1	-0.7	13.9	-13.9	2.1	2.1	-0.7	-0.7	1.2	-1.2	-1.2	1.2	-1.2	1.2	1.2	-1.2	1.2	1.2	-1.2	1.2	1.2	-1.2	1.2	1.2	-1.2																
06 06	14.0	12.6	-8.7	11.8	-2.2	-10.5	4.6	4.3	-2.1	7.5	-13.9	13.3	3.9	-2.6	-0.9	-0.9	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	1.2	-1.2	1.2																
06 12	12.0	11.7	-2.5	9.3	-1.1	-1.1	7.5	-1.1	-0.7	10.3	-10.3	4.0	-1.1	-0.7	-0.7	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2																	
06 18	12.9	10.5	-5.5	6.1	5.9	-5.9	6.1	-5.9	-0.7	14.3	-14.3	7.4	-5.7	-2.2	-2.2	5.2	-5.2	1.2	12.3	-12.3	5.4	1.2	-0.7	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2																
06 24	14.9	14.9	-11.0	-3.2	-10.5	4.6	4.3	-2.1	-2.6	7.5	-13.9	13.3	3.9	-2.6	-0.7	-0.7	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2																	
07 00	11.7	11.7	-0.4	7.8	-3.2	-7.2	4.9	4.8	1.1	2.0	-0.8	-1.9	4.8	-3.7	3.0	-3.5	2.1	-2.9	1.2	-2.7	14.4	12.7	-8.4	6.8	-8.4	-2.4	9.4	-12.5	12.5	-23.4	12.0	-1.2																
07 06	10.5	10.5	0.2	-2.1	-2.3	8.2	8.2	0.0	4.3	4.4	-3.8	-2.0	3.4	2.0	-0.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2																
07 12	7.7	0.4	1.5	0.1	-1.5	13.7	13.6	-1.6	5.5	2.6	4.9	4.2	-2.7	3.2	2.1	1.5	-0.5	1.3	12.2	9.5	-1.1	1.2	-0.5	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2	-1.2	1.2																
07 18	10.7	1.7	-1.7	3.3	-1.0	-14.8	12.9	-7.4	9.7	-2.3	5.2	1.8	1.4	-1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2																	
07 24	9.0	9.0	-1.9	4.2	4.2	-5.3	24.3	-5.3	1.3	6.3	-5.1	6.4	6.3	-5.1	4.6	-4.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																
08 00	11.6	6.5	-2.2	5.3	5.3	-5.3	1.1	-5.3	-0.5	11.5	-1.5	11.5	1.1	-5.3	-0.5	1.1	-1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																
08 06	10.5	10.5	0.2	1.2	1.2	-5.3	11.8	-5.3	1.1	11.8	-5.3	11.8	1.1	-5.3	1.1	-1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																
08 12	7.4	7.4	-0.6	11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0	-11.0	11.0																		
08 18	7.1	6.8	-1.8	11.5	11.0	-11.5	7.1	-7.1	-0.6	10.5	-0.5	10.5	1.0	-11.5	-0.5	1.0	-1.0	1.0	-1.0	1.0	-1.0	1.0	-1.0	1.0	-1.0	1.0	-1.0	1.0	-1.0	1.0	-1.0																	
08 24	7.9	7.6	-2.3	12.5	9.9	-9.6	3.0	-2.3	-1.7	6.2	-1.1	6.2	5.6	-2.4	-1.7	3.0	-0.8	-2.0	5.1	-2.5	6.5	-2.5	6.5	-2.5	6.5	-2.5	6.5	-2.5	6.5	-2.5	6.5																	
08 30	7.4	7.4	-0.6	10.0	-6.4	-6.4	7.7	-1.1	-2.1	7.2	-3.7	7.2	6.2	-0.6	-2.1	7.3	-3.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																
08 36	11.5	11.5	-0.6	3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0	-3.0	3.0																		
08 42	10.8	10.8	0.3	1.3	1.3	-1.3																																										

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Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	V	u	v	V	u	v	V	u	v	V	u	v	
01 00	1.5	-0.9	-1.2	9.6	-7.1	6.4	3.1	-2.9	2.0	1.7	9.5	2.9	9.0
01 08	0.7	-0.6	0.0	12.1	-6.2	10.4	6.1	-1.0	6.0	8.8	2.3	8.5	7.2
01 16	1.4	-0.4	-0.7	10.4	-5.3	5.2	5.2	-0.7	5.1	8.8	2.3	8.3	7.0
01 24	1.4	-1.2	-0.7	10.9	-3.6	10.3	5.9	-5.9	5.0	8.1	2.1	6.5	11.4
02 06	2.2	-2.1	0.6	9.3	-0.9	9.3	6.4	-6.3	12	3.7	3.4	-1.6	12.6
02 18	6.0	-3.4	4.9	11.0	-0.1	11.9	6.8	-6.8	0.8	10.8	4.8	9.7	10.3
02 26	2.6	-2.0	1.7	10.3	0.8	10.0	6.9	-6.3	0.1	4.9	3.5	3.3	11.9
03 00	7.1	-3.0	6.5	12.6	1.2	12.5	6.9	-6.7	17	16.2	9.6	13.1	8.2
03 06	8.3	-3.7	7.5	12.5	1.1	12.5	8.2	-7.4	36	15.7	15.4	3.0	7.7
03 12	8.5	-3.8	7.6	12.4	1.0	12.4	8.2	-6.2	26	19.2	22.1	-14.3	10.7
03 18	6.1	-2.9	7.2	12.2	0.2	12.1	7.4	-7.4	10.4	17.0	17.1	10.0	4.0
04 00	8.3	-2.2	8.0	11.1	1.5	11.1	12.5	-3.7	10.4	17.4	17.5	10.4	4.0
04 06	7.6	-2.5	7.2	11.2	-0.3	11.2	14.2	-4.9	13.3	19.2	15.6	-1.1	11.1
04 12	6.4	-2.9	5.7	14.2	-0.9	13.9	16.6	-5.2	15.8	8.9	8.1	-3.8	9.3
04 18	5.2	-2.4	4.6	15.3	-0.9	15.2	17.8	-4.3	17.3	7.6	4.9	5.8	6.8
05 00	4.9	-3.2	3.7	12.2	-2.0	12.2	14.2	-5.2	17.4	11.1	2.2	10.8	5.5
05 06	6.8	-3.3	2.7	13.2	-2.2	13.0	17.1	-7.0	15.6	16.8	0.2	6.8	4.8
05 12	9.1	-8.9	1.8	12.3	-2.8	12.0	18.3	-8.8	16.1	10.1	2.2	10.8	5.5
05 18	12.4	-10.9	5.7	12.8	-3.1	12.8	18.7	-8.7	5.7	3.2	4.4	4.0	4.0
05 24	12.0	-10.7	5.4	12.4	-2.1	12.1	18.4	-7.4	10.4	10.4	2.0	10.4	4.0
06 06	12.2	-8.3	9.0	13.5	-3.8	13.0	18.4	-8.5	16.3	7.6	6.9	3.1	5.0
06 12	10.6	-7.1	7.9	13.3	-1.1	13.2	18.5	-7.7	16.9	8.5	7.1	4.6	5.0
06 18	8.7	-5.4	6.8	13.2	-0.2	13.0	18.0	-6.7	16.7	15.2	4.7	14.5	7.6
07 00	6.7	-4.8	4.7	12.3	1.5	12.2	16.8	-6.8	15.5	10.2	5.0	8.9	5.5
07 06	6.4	-4.4	4.6	11.8	2.6	11.6	15.0	-7.4	10.2	14.5	4.3	10.0	5.0
07 12	5.2	-4.2	3.0	12.7	5.3	11.6	13.0	-6.7	11.1	8.3	4.7	7.6	4.8
07 18	6.0	-5.0	4.4	12.2	7.2	9.9	11.1	-6.7	9.0	11.5	5.9	9.8	7.0
08 00	4.9	-2.8	2.8	12.6	9.5	10.7	12.4	-8.7	10.3	14.3	3.0	12.7	4.0
08 06	7.4	-4.4	4.6	12.6	9.2	10.3	12.7	-7.4	11.5	12.4	3.0	12.2	4.0
08 12	7.2	-6.4	3.4	12.5	-3.8	11.0	11.7	-7.6	8.0	10.6	3.5	12.5	4.0
08 18	6.6	-5.9	3.0	13.7	11.9	6.9	11.0	-7.9	7.7	9.7	0.5	12.5	4.0
09 00	5.5	-5.4	0.8	9.4	-3.6	10.7	12.5	-9.2	5.5	9.0	-0.1	12.5	4.0
09 06	4.7	-4.7	0.4	6.1	5.8	-1.7	10.0	-6.8	7.3	8.7	5.5	-0.1	12.5
09 12	5.0	-4.8	-1.3	1.1	0.6	9.9	-5.5	-5.3	7.4	7.4	5.3	5.1	10.0
09 18	4.1	-3.7	-1.7	5.8	-3.7	4.4	9.7	-7.4	6.2	7.6	7.1	2.4	12.5
10 00	3.3	-2.5	2.2	7.5	-5.6	5.6	13.5	-11.4	7.1	8.6	8.5	1.5	12.5
10 06	4.1	-3.4	-1.9	11.6	-6.0	14.7	6.3	8.5	4.8	7.4	-5.8	1.0	12.5
10 12	4.4	-4.0	-1.0	11.6	-5.2	10.5	6.0	-6.0	5.5	7.3	-5.2	0.5	12.5
10 18	4.6	-2.1	-4.1	6.3	9.9	16.0	-1.7	12.3	12.6	12.6	-0.1	12.5	4.0
10 24	11.0	-5.8	-4.1	5.3	2.6	13.2	17.2	-16.8	3.8	16.2	-2.2	16.1	4.0
11 00	5.6	-3.8	-4.1	5.3	2.6	13.2	17.2	-16.8	3.8	16.2	-2.2	16.1	4.0
11 06	5.5	-4.5	-3.1	4.4	1.1	13.3	17.3	-13.2	3.7	20.5	-6.3	19.5	4.0
11 12	4.3	-3.7	-2.2	5.5	3.6	12.3	11.3	-12.2	19	18.3	-8.7	17.9	4.0
11 18	3.7	-3.6	0.4	7.5	6.9	7.5	11.7	-6.7	9.6	12.3	-12.3	12.3	4.0
12 00	4.6	-3.8	2.9	9.8	0.8	9.3	4.2	-4.1	0.7	7.2	-3.3	10.7	4.0
12 06	7.1	-4.6	5.3	11.3	-1.1	11.3	21	1.4	7.2	12.3	-12.3	12.3	4.0
12 12	8.9	-4.4	7.7	11.6	-1.0	10.5	7.6	-5.6	6.4	13.0	-13.0	13.0	4.0
12 18	11.8	-4.4	7.7	11.6	-1.0	10.5	7.6	-5.6	6.4	13.0	-13.0	13.0	4.0
12 24	13.0	-8.0	2.0	7.7	1.8	10.9	10.0	-4.4	3.4	17.3	-17.3	17.3	4.0
13 00	9.0	-2.9	8.6	2.0	7.7	10.9	10.0	-4.4	3.4	17.3	-17.3	17.3	4.0
13 06	9.9	-1.3	9.8	4.2	-0.2	4.2	9.2	-8.4	2.4	17.2	-17.2	17.2	4.0
13 12	10.2	-2.0	5.2	-1.3	5.0	9.5	9.4	-8.4	2.4	17.2	-17.2	17.2	4.0
13 18	10.3	-3.0	10.8	2.2	0.1	2.2	8.6	7.7	3.8	17.2	-17.2	17.2	4.0
13 24	10.8	-5.1	9.7	1.1	-0.1	1.1	8.6	-8.5	2.4	17.2	-17.2	17.2	4.0
14 00	10.1	-5.0	1.1	-0.1	-1.0	9.3	8.2	-5.3	0.4	17.2	-17.2	17.2	4.0
14 06	9.8	-1.3	9.7	5.3	0.1	5.3	9.3	4.9	8.0	11.0	-6.5	11.0	4.0
14 12	10.2	-9.2	8.6	16.0	-1.7	16.0	6.4	-6.4	5.2	12.3	-12.3	12.3	4.0
14 18	9.2	-2.1	4.1	12.3	-0.1	12.3	12.3	-12.3	12.3	12.3	-12.3	12.3	4.0
14 24	13.0	-8.6	8.6	16.0	-1.7	16.0	6.4	-6.4	5.2	12.3	-12.3	12.3	4.0
15 00	9.0	-2.9	8.6	16.0	-1.7	16.0	6.4	-6.4	5.2	12.3	-12.3	12.3	4.0
15 06	9.2	-2.1	4.1	12.3	-0.1	12.3	12.3	-12.3	12.3	12.3	-12.3	12.3	4.0
15 12	8.2	-5.0	6.4	1.5	1.4	-0.4	3.4	-9.3	5.3	12.3	-12.3	12.3	4.0
15 18	9.1	-4.0	8.2	0.0	-0.6	17	1.7	-0.7	11.7	12.3	-12.3	12.3	4.0
16 00	8.7	-3.1	8.1	1.7	-0.5	16	0.6	11.1	-11.1	0.0	6.8	-6.1	4.0
16 06	10.5	-1.9	10.3	-2.3	2.5	6.6	5.9	-0.9	7.1	7.1	-0.5	8.5	0.6
16 12	10.8	-3.1	10.3	5.7	-1.5	1.5	-0.7	0.7	6.4	-5.3	-0.5	7.1	0.6
16 18	13.3	-4.9	12.4	8.3	3.0	3.0	0.0	8.3	-7.2	11.3	-11.3	11.3	0.6
17 00	13.8	-5.8	12.6	8.3	-3.3	7.6	3.0	-3.0	0.9	9.9	-5.1	13.8	0.6
17 06	13.0	-5.8	12.6	8.3	-3.3	7.6	3.0	-3.0	0.9	9.9	-5.1	13.0	0.6
17 12	14.5	-8.7	11.5	-3.2	3.9	6.4	5.3	-0.5	10.4	-1.1	1.1	14.5	0.6
17 18	15.8	-12.1	10.3	-9.1	3.8	6.4	5.3	-0.5	10.6	-1.1	1.1	15.8	0.6
18 00	16.9	-12.7	11.1	-8.6	4.9	5.3	4.4	-0.5	10.4	-1.1	1.1	16.9	0.6
18 06	19.4	-12.6	14.7	-5.0	5.9	5.1	2.0	-0.4	2.0	-0.4	5.4	-0.5	19.4
18 12	16.4	-9.7	13.2	-6.6	6.5	5.4	2.0	-0.4	2.0	-0.4	5.4	-0.5	16.4
18 18	16.4	-9.7	13.2	-6.6	6.5	5.4	2.0	-0.4	2.0	-0.4	5.4	-0.5	16.4
19 00	6.2	-3.8	4.9	11.6	-0.5	11.6	11.6	-11.6	0.5	11.6	-11.6	11.6	0.6
19 06	6.2	-2.1	5.0	12.0	-0.5	12.0	12.0	-12.0	0.5	12.0	-12.0	12.0	0.6
19 12	6.2	-2.1	5.0	12.0	-0.5	12.0	12.0	-12.0	0.5	12.0	-12.0	12.0	0.6
19 18	6.2	-2.1	5.0	12.0	-0.5	12.0	12.0	-12.0	0.5	12.0	-12.0	12.0	0.6
19 24	6.2	-2.1	5.0	12.0	-0.5	12.0	12.0	-12.0	0.5	12.0	-12.0	12.0	0.6
20 00	6.2	-2.1	5.0	12.0	-0.5	12.0	12.0	-12.0	0.5	12.0	-12.0	12.0	0.6
20 06	9.9	-7.1	6.9	-2.7	20.8	0.8	-10.2	11.4	2.7	11.4	-11.4	11.4	0.6
20 12	7.7	-2.6	2.3	-2.7	20.4	0.8	-10.2	11.4	2.7	11.4	-11.4	11.4	0.6
20 18	9.8	-1.7	9.7	-3.5	20.4	0.8	-10.2	11.4	2.7	11.4	-11.4	11.4	0.6
20 24	10.9	-2.0	10.7	-3.1	19.9	0.8	-10.2	11.4	2.7	11.4	-11.4	11.4	0.6
20 30	9.7	-2.9	8.2	-4.4	21.0	0.8	-11.0	3.9	5.5	3.9	-4.4	21.0	0.6
20 36	9.7	-2.9	8.2										

Spis tablic

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v
01 00	17.6 14.9 -9.3	5.8 5.1 2.8	10.8 -3.6 10.1	10.6 -10.5 1.5	12.2 -12.0 2.5	9.7 -9.4 -2.5	5.3 5.3 0.9	5.8 5.7 -1.4	10.5 -3.1 10.0	2.4 -2.4 -0.6	11.6 9.9 5.9	9.5 9.5 -0.9
01 08	13.4 11.2 -7.5	4.8 4.8 0.5	12.5 -4.5 11.1	10.8 -4.9 4.4	11.9 -11.3 3.8	10.8 -10.5 -2.6	5.2 4.8 2.0	8.0 7.2 3.7	12.9 -3.6 12.4	4.5 -3.4 -3.1	13.7 10.2 9.2	9.5 9.2 -1.3
01 12	13.0 11.4 -7.9	4.1 4.1 0.9	12.4 -5.4 -1.5	11.2 -10.8 2.1	12.0 -12.0 2.1	10.3 -10.7 -2.6	2.0 2.0 1.8	15.1 14.8 1.5	12.9 -3.5 12.5	5.5 5.5 0.5	12.8 10.5 8.5	8.5 8.5 -0.5
01 18	6.8 6.6 -1.9	4.4 4.4 3.7	16.0 -7.2 14.7	13.5 -10.8 8.1	10.7 -10.5 1.2	7.6 7.6 4.0	6.1 4.0 4.6	7.6 7.6 1.2	1.0 1.2 1.5	9.7 -5.6 -7.9	11.5 1.5 -0.5	11.5 1.5 0.5
02 00	8.9 8.4 -2.8	6.9 1.7 1.7	6.7 16.2 -6.7	14.7 13.8 -9.6	9.9 7.7 -7.3	2.3 8.5 -7.4	-4.2 4.2 0.6	4.1 6.8 6.7	-1.2 7.4 0.6	11.3 -4.5 -10.4	11.0 -5.5 9.6	4.1 2.7 3.0
02 12	3.2 2.9 1.2	8.8 3.0 3.0	8.1 17.0 -6.1	15.9 13.9 -7.7	11.6 7.0 -7.0	-0.1 3.3 -3.2	-0.8 9.8 1.3	-9.7 6.4 6.0	-2.2 4.2 1.0	4.0 5.8 4.5	-3.9 12.4 -1.1	-5.5 9.5 8.6
02 18	4.2 4.0 4.2	7.3 4.3 5.9	5.9 15.5 -5.6	14.4 11.0 -5.7	9.4 5.6 -5.5	-0.9 2.7 1.4	2.3 11.6 1.6	1.1 8.1 -8.3	6.8 5.4 -4.1	5.3 5.3 0.6	5.2 13.3 12.7	5.7 15.7 -10.4
03 00	6.9 2.3 6.5	7.4 5.9 4.5	13.5 -5.1 12.5	9.9 9.2 -3.2	9.4 4.8 -4.3	-1.6 7.7 3.6	3.6 14.9 12.9	7.4 8.4 -4.9	7.4 1.3 7.3	18.4 13.6 12.4	18.4 -10.4 -15.2	19.6 16.9 -9.8
03 06	7.8 1.6 7.6	6.5 6.3 1.8	11.2 -5.3 9.9	8.1 -3.1 7.5	3.3 -3.0 -11.6	11.6 1.0 0.2	13.4 13.0 -2.9	8.6 7.3 -4.4	13.0 0.3 13.0	14.5 8.9 11.4	14.8 7.7 -12.2	17.6 13.5 -11.3
03 12	8.1 1.1 7.9	3.8 3.8 1.6	10.3 -6.0 8.4	6.3 -4.1 5.2	4.1 3.7 -0.1	10.0 9.9 -3.3	9.8 8.0 -3.9	7.6 6.3 -3.7	9.3 0.3 9.3	6.0 1.8 5.1	12.2 4.4 -11.5	16.1 11.1 -11.0
03 18	3.7 7.4 7.7	1.7 1.5 1.5	10.7 1.7 1.7	9.8 9.8 -4.9	3.3 3.3 -3.3	0.5 6.5 -0.5	6.5 6.5 -0.5	6.5 6.5 -0.5	6.5 6.5 -0.5	6.5 6.5 -0.5	6.5 6.5 -0.5	6.5 6.5 -0.5
04 00	7.5 0.1 7.5	3.3 3.3 -0.2	10.9 7.2 8.2	4.0 -3.7 1.6	3.8 -3.8 0.6	1.3 6.3 -2.7	1.2 11.6 7.5	1.1 6.2 -5.7	1.1 5.0 1.5	5.2 1.5 0.5	1.5 5.2 2.2	-4.7 6.8 -0.9
04 06	7.7 1.3 7.5	4.1 3.4 2.2	11.3 -7.8 7.2	4.0 -4.0 0.5	4.1 -4.0 1.0	1.5 1.5 1.7	1.7 -7.7 3.6	3.5 -0.9 3.5	3.5 1.4 -0.5	1.4 1.4 0.5	1.4 1.4 0.5	1.4 1.4 0.5
04 12	7.9 1.6 7.8	5.5 3.6 4.1	14.0 -9.8 9.9	4.8 -4.6 -1.3	6.8 -6.8 0.2	13.6 12.4 -5.6	9.2 7.7 5.0	3.1 3.1 3.1	3.1 3.1 3.1	3.1 3.1 3.1	3.1 3.1 3.1	3.1 3.1 3.1
04 18	7.7 1.2 7.6	6.3 3.7 4.6	14.4 -10.8 10.3	5.6 5.1 -2.3	2.3 11.2 -11.2	-0.3 12.9 12.0	-4.6 12.0 11.8	-2.4 6.9 6.3	-3.2 6.2 6.0	10.1 10.0 1.3	18.4 17.7 5.0	17.7 15.2 7.8
05 00	6.6 2.0 6.3	4.2 2.7 3.3	15.5 -5.2 1.8	13.2 -13.2 -0.7	15.1 13.6 -6.6	13.2 12.6 -3.2	9.6 9.6 3.4	7.8 -2.0 7.5	14.5 9.1 9.1	16.1 15.9 2.8	6.4 1.0 16.5	15.7 5.1 -5.1
05 06	5.5 2.1 5.1	1.8 1.4 1.2	17.9 -11.0 14.1	5.2 4.4 -2.8	16.4 16.4 0.6	13.7 12.2 -6.2	10.2 9.6 3.4	7.8 -2.0 7.5	14.5 9.1 9.1	16.1 15.9 2.8	6.4 1.0 16.5	15.7 5.1 -5.1
05 12	6.0 1.1 5.9	2.4 0.4 2.2	14.7 14.9 5.8	5.4 -4.0 -1.3	21.5 16.3 -1.9	9.0 4.0 -4.0	4.9 5.5 2.0	4.0 4.0 7.5	14.0 10.2 10.2	6.0 2.3 5.6	15.9 15.9 3.9	15.9 15.9 3.9
05 18	7.0 7.0 7.0	5.8 2.2 2.2	15.5 10.1 10.1	5.7 3.8 -0.1	20.6 20.6 -0.1	9.0 4.0 -4.0	8.1 8.1 2.2	9.4 9.4 1.3	17.4 13.3 1.3	15.2 15.2 2.8	12.1 11.1 5.8	11.1 11.1 5.8
05 24	6.0 1.6 6.0	2.2 1.1 1.1	17.9 17.9 17.9	5.1 5.1 -0.1	19.1 19.1 -1.7	7.5 7.5 1.7	0.4 0.4 2.4	2.4 2.4 2.4	17.4 17.4 1.3	15.2 15.2 2.8	12.1 11.1 5.8	11.1 11.1 5.8
06 00	9.3 -3.4 8.7	18.4 -3.4 16.4	16.1 12.4 -10.1	7.2 5.7 -0.9	17.6 17.6 -2.9	7.5 5.1 5.6	9.7 6.7 6.2	10.2 10.2 1.6	10.2 10.5 1.6	16.6 14.2 14.9	5.5 5.5 0.0	15.0 13.2 7.2
06 06	9.9 -4.5 8.8	17.6 -4.3 17.3	12.1 -12.1 11.6	4.2 6.6 0.0	6.6 6.5 1.6	17.5 17.3 -8.9	1.4 8.8 5.7	7.9 8.6 5.2	12.8 12.6 11.5	6.6 6.6 0.5	13.8 13.2 5.8	13.2 13.2 5.8
06 12	10.4 -4.3 9.4	14.1 -6.8 12.3	10.7 10.4 -9.0	2.7 7.0 -0.9	16.5 15.3 -6.4	3.3 2.6 2.0	7.5 5.8 4.7	7.5 4.8 3.8	3.7 12.1 11.1	7.5 8.1 7.5	7.4 0.9 10.1	5.6 8.3
06 18	10.4 5.0 8.8	11.9 -5.7 10.4	10.0 9.9 -9.5	1.5 7.4 -2.8	6.9 15.6 -12.2	3.2 3.1 3.0	0.8 5.9 5.9	0.1 10.8 9.6	4.8 0.8 0.7	2.7 7.5 3.9	6.5 9.4 9.3	1.5 8.8 0.3
07 00	10.2 5.2 8.8	7.1 3.2 3.2	6.3 10.2 -9.9	2.2 8.8 -6.1	6.4 13.1 -8.0	10.4 -10.3 6.9	3.0 3.0 6.7	6.9 8.2 9.2	4.1 2.1 9.7	1.6 1.6 0.6	10.9 10.7 2.1	2.1 1.9 0.3
07 12	11.9 6.0 10.3	2.0 -0.5 1.5	1.9 9.8 -0.4	0.4 0.3 0.3	11.0 11.0 -4.3	3.5 3.4 3.4	8.2 6.1 5.1	1.5 1.5 1.8	7.5 7.0 2.0	7.6 11.5 11.4	1.3 1.3 3.8	1.6 3.5 3.5
07 18	17.8 5.9 13.9	2.4 0.7 1.1	12.4 12.4 12.4	5.8 5.8 -3.0	11.4 11.4 -1.1	1.1 1.1 -1.1	5.2 5.2 2.1	2.1 2.1 2.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
07 24	14.3 5.9 13.4	5.8 4.8 3.3	10.1 9.9 -1.9	1.1 1.1 -0.1	14.0 14.0 -1.9	1.1 1.1 -1.1	5.2 5.2 2.1	2.1 2.1 2.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
08 00	16.1 6.0 14.9	14.9 14.9 10.4	9.8 9.8 -0.4	0.3 0.3 0.3	13.1 13.1 -0.1	1.1 1.1 -1.1	5.2 5.2 2.1	2.1 2.1 2.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
08 06	17.0 6.0 17.0	1.5 1.5 1.5	1.5 1.5 1.5	0.9 0.9 0.9	1.5 1.5 1.5	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9
08 12	15.0 7.4 13.0	2.8 1.1 1.1	12.1 12.1 12.1	5.5 5.5 -0.1	12.1 12.1 -0.1	1.1 1.1 -1.1	5.2 5.2 2.1	2.1 2.1 2.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
08 18	12.7 5.6 11.4	2.2 2.2 2.2	10.8 11.7 11.1	3.7 3.7 3.7	6.0 6.0 3.5	4.9 4.9 4.9	6.6 6.6 6.6	7.6 7.6 7.6	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
08 24	10.9 5.0 14.4	1.1 1.1 1.1	1.1 1.1 1.1	0.9 0.9 0.9	1.1 1.1 1.1	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9
09 00	16.5 -2.7 16.3	14.7 -1.1 12.8	7.8 11.9 -10.8	2.1 2.1 2.1	12.8 12.8 -0.1	1.1 1.1 -1.1	5.2 5.2 2.1	2.1 2.1 2.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
09 06	14.1 -1.7 14.0	8.4 8.6 8.4	8.4 11.2 -11.1	5.1 5.1 -0.7	11.1 11.1 -0.3	5.1 5.1 -0.7	6.6 6.6 4.4	4.4 4.4 4.4	10.1 10.1 1.6	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
09 12	12.0 8.7 12.0	1.1 1.1 1.1	1.1 1.1 1.1	0.9 0.9 0.9	1.1 1.1 1.1	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9
09 18	12.6 -2.5 12.4	9.1 9.0 9.1	1.1 1.1 1.1	0.9 0.9 0.9	1.1 1.1 1.1	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9	0.9 0.9 0.9
09 24	11.6 5.9 11.6	5.1 4.8 1.6	1.7 1.7 1.7	0.6 0.6 0.6	8.0 8.4 2.0	6.1 6.1 1.9	17.8 15.9 -8.1	10.8 10.8 2.0	5.1 5.1 3.6	3.6 3.6 3.6	6.0 6.0 6.0	6.0 6.0 6.0
10 00	13.5 1.5 13.1	3.2 2.8 2.8	1.4 6.1 -2.1	5.8 5.7 -1.1	6.9 6.8 -1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
10 06	13.2 1.5 13.1	3.2 2.8 2.8	1.4 6.1 -2.1	5.8 5.7 -1.1	6.9 6.8 -1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1
10 12	13.9 1.1 13.9	16.4 12.2 10.2	8.6 8.6 -7.5	4.2 8.7 7.9	5.5 5.5 -2.9	4.2 3.1 2.7	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2
10 18	12.0 8.9 11.6	5.1 4.8 1.6	1.7 1.7 1.7	0.6 0.6 0.6	8.2 8.4 2.0	6.6 6.6 1.9	9.8 9.8 -8.7	8.6 8.6 -0.3	5.2 5.2 3.5	2.8 2.8 3.5	7.2 7.2 7.2	6.6 6.6 6.6
10 24	12.5 2.2 12.8	1.9 1.0 1.0	1.5 9.1 8.5	3.3 3.3 -3.3	10.0 10.0 -6.4	6.8 6.8 -0.6	6.8 6.8 -0.6	6.8 6.8 -0.6	6.8 6.8 -0.6	6.8 6.8 -0.6	6.8 6.8 -0.6	6.8 6.8 -0.6
10 30	15.1 0.8 -15.0	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
10 36	15.1 0.4 -10.9	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
11 00	15.1 0.0 -10.9	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
11 06	15.1 0.5 -10.4	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
11 12	15.1 0.0 -10.9	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
11 18	15.1 0.0 -10.9	4.3 -4.3 4.3	17.6 16.6 15.6	5.5 5.5 0.4	6.4 6.4 -0.4	7.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4	6.0 6.0 -6.4
11 24	15.1 0.0 -10.9	4.3 -4.3 4.3	17.6 16.									

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v		
01 00	14.7 14.0 4.3	9.2 -1.8 9.1	10.4 8.9 -5.3	5.8 -0.7 -5.8	7.0 3.3 -6.2	8.3 0.0 8.3	-6.6 -5.1 5.1	2.5 -4.4 2.2	-2.1 0.8 19.8	-3.0 19.6 8.6	0.3 8.6 4.0	4.0 0.5		
01 08	9.0 -7.7 -7.0	8.0 -1.3 7.8	8.8 -4.0 5.5	5.5 -0.5 -5.8	9.8 -3.3 -9.2	7.2 0.2 9.8	-8.8 -4.3 5.0	3.1 -3.9 1.9	0.2 1.9 19.1	-0.7 19.1 8.7	2.4 8.4 1.9	-1.0 -0.7		
01 12	9.9 -4.3 -1.1	8.0 -1.3 7.8	8.9 -4.3 5.5	5.5 -0.5 -5.8	9.8 -3.3 -9.2	7.2 0.2 9.8	-8.8 -4.3 5.0	3.1 -3.9 1.9	0.2 1.9 19.1	-0.7 19.1 8.7	2.4 8.4 1.9	-1.0 -0.7		
01 18	9.7 -4.3 -8.7	7.3 7.2 -0.7	8.0 8.6 -2.6	2.6 17.0 17.0	0.3 2.2 1.6	4.5 3.6 2.7	-2.7 11.0 -9.5	-5.5 6.9 4.7	-6.0 3.0 3.0	0.0 4.3 4.1	-1.2 6.2 3.3	5.3 2.8 2.0	2.8 -0.2	
02 00	9.7 6.1 -7.5	9.5 8.4 -4.5	5.5 5.5 0.2	23.1 23.1 1.8	4.1 3.0 2.9	6.2 6.2 0.3	9.9 -7.8 -6.0	8.0 6.0 -5.2	5.5 5.4 -1.3	1.1 0.7 0.6	5.9 2.6 2.6	5.3 9.6 4.7	8.3	
02 12	13.8 12.0 -7.0	6.3 -1.1 -6.8	4.8 1.9 4.4	15.5 14.0 6.5	6.9 6.9 -0.2	2.4 2.0 1.4	7.5 -5.3 6.8	5.0 -4.7 1.6	1.4 0.8 0.8	2.5 1.3 -2.2	4.8 0.1 4.8	20.0 5.5 19.2		
02 18	15.9 14.4 -6.9	8.1 -4.8 -6.5	3.7 1.5 3.4	8.8 8.7 1.3	3.7 3.3 -0.7	3.2 -0.6 3.2	5.9 -3.1 5.0	6.4 4.7 -4.3	2.3 0.1 2.3	1.3 -0.1 5.9	-0.3 5.9	17.0 7.5 15.2		
03 00	17.0 14.9 -8.1	8.3 -7.5 -4.7	5.9 2.7 5.3	4.7 4.7 0.2	3.0 1.5 2.6	6.6 2.7 6.0	5.4 -0.9 5.4	5.8 4.8 -3.3	4.6 0.0 4.6	2.7 1.6 2.1	5.3 2.6 4.6	14.3 7.8 12.0		
03 06	14.8 13.6 -6.0	6.2 -5.4 -2.9	7.5 3.2 6.8	1.6 1.5 0.3	2.0 -2.0 0.1	9.7 -2.6 9.3	4.2 0.4 -4.2	4.8 3.0 -3.7	7.0 1.1 6.9	7.5 2.2 7.3	6.1 5.0 3.5	11.7 8.2 8.3		
03 12	16.0 15.4 -5.5	2.8 -1.2 -2.7	5.7 2.1 5.2	5.8 -5.4 1.2	7.3 -6.2 -3.5	12.2 11.8 11.8	1.0 1.4 4.1	4.9 1.6 -4.0	7.6 0.1 7.6	0.7 11.1 11.1	6.6 6.8 6.8	9.7 7.2 6.6		
03 18	17.5 -5.7 -5.7	5.5 5.5 2.4	5.6 5.6 2.5	2.5 2.5 2.5	1.6 1.6 1.6	1.6 1.6 1.6	3.3 3.3 3.3	2.5 2.5 2.5	0.5 0.5 0.5	5.7 0.4 5.7	0.4 1.9 0.4	4.7		
04 00	19.1 17.8 -6.9	5.5 5.3 3.4	4.4 7.6 5.1	1.1 8.6 -8.6	1.1 10.7 -8.0	-7.0 2.2 2.8	2.1 2.4 2.8	1.7 -2.3 3.2	0.7 -3.1 6.3	4.3 4.7 -12.3	2.9 11.9 5.7	5.7 0.6 9.5	9.1 2.7	
04 06	21.6 20.2 -7.6	7.8 5.7 -5.3	7.0 6.1 3.4	5.7 5.2 -5.4	2.0 10.5 -7.8	-7.2 7.8 2.5	2.4 5.6 5.8	0.4 0.4 -0.1	2.9 0.2 -2.9	7.0 0.7 0.7	0.7 8.7 6.3	6.0 7.2 7.2	0.0 12.6 12.3	-2.6
04 12	29.6 28.3 -8.6	9.8 7.3 -5.2	4.8 0.1 4.8	4.9 -3.9 3.0	3.0 11.2 -8.3	-7.5 6.5 3.8	5.3 4.5 -4.4	0.9 2.4 -2.9	-0.2 -2.7 9.4	6.7 -6.6 8.8	8.8 1.2 8.5	8.2 21.1 18.7	18.3 -3.5	
04 18	28.4 20.2 -19.9	10.3 8.6 -5.7	5.3 0.3 -5.3	59.0 4.0 -4.3	4.3 11.2 -8.6	-7.3 4.6 3.6	2.9 6.5 6.0	-2.4 -2.4 -1.5	-2.0 2.0 7.9	4.1 -6.8 8.7	8.2 -2.7 8.1	7.4 -3.4 28.9	28.3 -6.0	
05 00	19.9 13.3 -14.9	7.5 5.9 -4.6	7.1 1.0 -1.0	7.0 7.3 -4.4	5.8 11.9 -8.9	-8.0 4.6 4.3	1.8 4.3 1.8	7.4 -5.6 -4.7	3.7 -3.6 0.8	5.8 4.4 -3.8	3.4 -0.2 3.4	7.4 7.2 -1.8	17.6 13.6 -11.2	
05 06	17.7 16.0 -7.6	5.1 3.5 -3.6	7.3 1.2 -7.2	7.2 10.4 -5.9	8.5 11.5 -9.3	-6.9 4.5 4.3	1.4 4.3 1.4	7.4 -5.6 -4.7	3.7 -3.6 0.8	5.8 4.4 -3.8	3.4 -0.2 3.4	7.4 7.2 -1.8	17.6 13.6 -11.2	
05 12	15.0 15.0 0.7	3.8 3.3 -3.8	6.8 4.3 -5.1	5.9 3.7 -4.3	15.9 -8.9 -13.8	-10.2 12.0 12.0	-10.2 -10.2 12.0	-8.7 8.7 -8.7	-5.1 5.1 -2.5	-2.5 4.7 3.1	3.1 2.1 0.1	7.6 7.5 -1.2	16.6 12.3 -11.1	
05 18	26.1 24.1 -19.7	10.3 8.6 -5.7	5.3 0.3 -5.3	5.6 5.6 -5.6	5.6 11.5 -11.5	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	-11.3 11.3 11.3	
05 24	30.0 23.7 -13.8	7.2 3.6 -5.2	8.2 8.2 -5.5	5.5 5.2 -5.2	2.0 9.4 -9.2	-1.5 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	-0.1 1.5 1.5	
06 00	23.8 23.2 -5.1	6.4 6.0 -5.0	6.0 6.0 -5.0	5.2 5.2 -5.2	10.8 10.7 -10.7	16.4 16.4 16.4	-17.4 17.4 17.4	-17.4 17.4 17.4	-17.4 17.4 17.4	-17.4 17.4 17.4	-17.4 17.4 17.4	-17.4 17.4 17.4	-17.4 17.4 17.4	
06 12	21.5 21.5 1.6	9.7 6.7 -4.6	7.0 4.6 -4.6	18.5 5.0 -4.7	-16.1 10.9 -10.9	-1.1 6.4 4.0	-0.5 3.5 3.5	-0.3 3.4 3.4	-0.1 3.4 3.4	-0.1 3.4 3.4	-0.1 3.4 3.4	-0.1 3.4 3.4	-0.1 3.4 3.4	
06 18	18.0 17.4 -4.7	10.7 5.8 -8.2	8.2 5.0 -5.7	3.7 3.3 -3.7	6.8 9.3 -9.2	-9.1 7.3 5.3	-5.9 4.3 -5.9	-5.9 4.3 -5.9	-5.9 4.3 -5.9	-5.9 4.3 -5.9	-5.9 4.3 -5.9	-5.9 4.3 -5.9	-5.9 4.3 -5.9	
07 00	18.0 17.4 -12.5	10.3 7.1 -8.4	7.1 1.0 -1.0	12.0 12.0 -12.0	10.4 10.4 -10.4	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	
07 06	12.6 12.4 -2.5	12.1 1.0 -1.2	12.0 5.7 -5.4	5.4 1.1 -1.1	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	12.0 12.0 -12.0	
07 12	12.7 7.4 -10.3	13.3 -3.4 -1.8	8.8 5.1 -5.7	5.3 7.3 -7.3	19.5 19.5 -19.5	-1.8 10.8 -9.8	9.5 9.5 -9.5	9.5 9.5 -9.5	9.5 9.5 -9.5	9.5 9.5 -9.5	9.5 9.5 -9.5	9.5 9.5 -9.5	9.5 9.5 -9.5	
07 18	11.0 8.3 -7.2	14.2 -4.8 -4.8	13.3 9.0 -5.4	9.0 8.0 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	10.1 10.1 -10.1	
08 00	7.4 -7.4 -0.9	12.3 -3.4 -1.8	11.8 8.8 -3.9	3.9 3.9 -3.9	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	12.3 12.3 -12.3	
08 06	30.8 30.8 -3.6	5.8 4.6 -5.1	3.1 1.1 -1.1	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	14.7 14.7 -14.7	
08 12	2.5 -1.4 -2.0	8.9 8.2 -8.8	10.6 5.3 -5.2	9.2 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	14.8 14.8 -14.8	
08 18	10.7 -3.0 -10.3	8.3 5.7 -5.7	6.1 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	15.4 15.4 -15.4	
09 00	12.0 12.0 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	12.3 12.3 -1.2	
09 06	4.9 -4.1 -2.7	12.5 10.3 -7.5	7.1 5.8 -5.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	11.1 11.1 -6.7	
09 12	12.3 10.0 -7.1	7.4 6.8 -6.5	6.0 11.1 -10.4	10.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	11.4 11.4 -11.4	
09 18	13.4 12.5 -5.6	6.5 6.5 5.6	1.2 12.2 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	12.1 12.1 -12.1	
10 00	15.6 15.6 -6.0	8.1 6.4 -5.0	5.0 2.8 -2.8	8.8 7.6 -4.4	3.1 1.3 2.9	9.2 7.6 -4.4	5.2 4.4 -5.2	5.2 4.4 -5.2	5.2 4.4 -5.2	5.2 4.4 -5.2	5.2 4.4 -5.2	5.2 4.4 -5.2	5.2 4.4 -5.2	
10 06	15.9 15.6 -2.7	6.1 5.6 5.5	2.5 11.3 -11.3	20.4 16.7 -16.7	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	13.3 13.3 -13.3	
10 12	16.8 16.0 -5.1	7.4 6.4 -5.1	4.7 7.3 -7.3	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	13.5 13.5 -13.5	
10 18	11.2 11.2 -3.7	2.1 2.1 -2.1	9.0 9.0 -9.0	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	8.8 8.8 -8.8	
10 24	14.8 14.4 -3.6	7.4 4.4 -4.4	4.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	
10 30	10.0 10.4 -4.3	5.1 3.1 -3.1	5.7 5.7 -5.7	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	
11 00	10.4 10.4 -4.3	5.1 3.1 -3.1	5.7 5.7 -5.7	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	3.7 3.7 -3.7	5.3 5.3 -5.3	4.4 4.4 -4.4	
11 06	14.8 14.4 -3.6	7.4 4.4 -4.4	4.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	8.0 8.0 -8.0	
11 12	12.0 11.2 -4.5	4.3 3.7 -3.7	2.1 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	9.0 9.0 -9.0	
11 18	11.2 11.2 -3.7	2.1 9.1 -9.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	9.1 7.1 -7.1	
11 24	16.0 15.6 -2.9	7.3 6.7 -6.7	6.0 11.8 -11.8	11.8 11.8 -11.8	11.8 11.8 -11.8									

Spis tablic

1976

1977

Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	13.9	3.3	13.5	9.2	4.6	-8.0	11.3	8.8	-7.2	1.3	0.4	1.2
01 08	15.5	1.9	15.5	9.8	5.4	-8.0	10.2	7.0	7.4	1.2	-0.8	-0.1
01 12	14.0	1.9	14.0	8.9	6.0	-8.0	9.2	8.0	8.1	1.4	-0.4	-0.1
01 18	14.6	-0.7	14.6	8.6	-6.5	8.7	7.4	4.6	-6.0	16.6	8.7	14.2
02 00	12.4	-1.8	12.2	7.4	5.9	-4.5	13.4	12.3	-5.4	22.1	10.3	19.5
02 12	9.4	-0.5	9.4	4.9	4.4	-2.1	12.7	12.2	-3.6	17.1	16.7	3.8
02 18	6.7	2.9	6.1	3.0	3.0	0.6	5.2	5.2	-0.2	15.7	15.3	3.7
03 00	6.0	4.8	3.6	4.5	3.8	2.9	0.2	0.1	-0.1	15.0	15.0	0.6
03 06	5.4	3.3	4.3	5.5	2.9	4.7	7.7	1.8	7.5	11.9	11.8	-0.9
03 12	3.0	2.0	3.0	8.5	4.0	-1.8	16.8	1.8	16.6	4.9	4.0	0.8
03 18	2.1	2.0	1.9	1.8	1.9	-2.1	12.1	1.8	-2.3	14.4	1.9	1.9
04 00	2.6	-2.5	0.6	15.6	2.7	15.4	6.8	6.8	-0.2	8.8	5.0	7.2
04 06	1.9	-1.9	-0.1	18.3	4.3	17.8	12.2	12.1	-1.7	3.4	-2.2	-0.2
04 12	0.8	0.5	-0.6	11.3	5.3	10.5	16.9	16.9	-0.5	2.2	-0.7	-0.1
04 18	1.6	-0.7	-1.4	9.8	6.5	7.3	18.2	16.3	-8.1	9.2	6.2	6.8
05 00	2.4	2.3	-0.6	8.1	6.7	4.6	27.0	25.7	-8.3	6.1	6.0	5.5
05 06	3.1	3.1	-0.1	7.7	5.7	5.2	21.2	19.1	-9.2	6.3	6.0	2.0
05 12	5.6	5.6	-0.4	7.6	5.6	5.5	15.0	15.0	-12.1	10.1	8.7	5.1
05 18	5.4	5.2	1.1	7.5	0.7	7.5	8.4	8.5	-3.1	13.2	12.4	7.0
05 24	7.0	6.9	0.9	13.9	1.1	1.1	7.5	7.5	-2.3	14.4	1.1	1.1
06 00	9.8	9.8	0.6	7.2	1.2	7.1	6.0	3.0	-0.2	5.0	7.2	6.5
06 12	13.1	13.0	0.8	8.8	2.5	8.4	7.7	2.3	-7.4	15.5	14.9	4.5
06 18	13.0	12.5	-3.5	9.3	-1.4	9.2	3.3	-0.4	-3.2	13.8	13.6	2.3
07 00	14.1	12.6	-6.3	6.5	0.9	6.4	3.9	-0.8	-3.8	11.4	11.3	1.6
07 06	19.2	17.7	-7.4	7.0	2.9	6.3	2.8	-2.2	-1.7	14.2	13.7	3.8
07 12	19.5	19.5	-1.7	10.0	5.7	9.2	6.4	6.4	0.4	11.5	11.5	-0.6
07 18	12.1	11.9	-2.5	16.5	6.5	15.2	8.2	7.9	-20.0	10.2	4.2	4.2
08 00	15.8	5.9	-14.7	14.9	11.5	9.4	9.8	8.7	4.5	8.5	8.5	8.5
08 06	13.0	12.9	-0.9	13.9	1.1	1.1	7.5	7.5	-2.0	12.0	12.0	-0.9
08 12	6.2	6.4	-5.1	6.7	2.2	6.1	5.1	5.1	-0.2	12.0	12.0	-0.2
08 18	12.3	3.5	-11.8	11.5	10.3	-5.2	10.5	10.5	-0.2	4.2	-4.1	-0.9
09 00	11.3	7.0	-8.8	14.9	14.0	5.1	7.8	-6.0	-4.9	5.5	4.2	-12.0
09 06	8.8	8.8	-0.3	14.2	7.4	-12.1	13.1	11.9	-5.5	12.2	-10.1	7.0
09 12	11.8	9.4	7.1	10.7	5.9	-8.9	8.5	-8.5	-24	15.1	12.8	-2.9
09 18	14.7	8.5	12.0	10.2	5.4	-8.7	7.3	6.7	-28	18.8	-15.2	-11.1
10 00	17.3	9.4	14.5	8.5	8.0	-7.0	4.9	8.8	6.2	6.2	20.4	15.4
10 06	17.6	9.4	14.9	8.5	8.0	-7.3	6.3	8.8	6.2	6.2	20.4	15.4
10 12	16.2	9.4	14.9	8.5	8.0	-7.3	6.3	8.8	6.2	6.2	20.4	15.4
10 18	20.2	6.6	19.1	2.5	-0.3	2.5	8.7	-8.7	0.9	6.4	3.6	-17.5
10 24	12.2	6.4	-5.1	13.2	1.1	6.5	4.1	-2.9	-2.9	1.6	1.1	-1.2
11 00	17.8	7.4	16.2	6.8	-5.9	3.3	6.8	6.8	-0.6	3.0	7.4	-17.5
11 06	14.2	10.3	9.7	-11.8	3.3	-0.2	4.2	-4.1	-0.9	7.1	-6.7	-1.2
11 12	10.8	5.7	9.2	13.4	-10.8	7.9	8.6	-0.8	-0.8	3.6	3.2	-0.3
11 18	9.4	3.5	8.7	11.8	-7.8	7.4	14.4	-2.1	-4.2	12.4	20.0	-1.5
12 00	6.0	2.7	5.3	10.2	-7.3	7.5	14.4	-0.2	-14.4	2.9	17.5	-1.5
12 06	3.9	4.7	6.2	12.6	-7.9	9.8	5.8	-3.6	-3.5	14.2	17.5	-1.5
12 12	9.4	3.6	5.9	14.9	-1.4	14.9	14.9	-1.4	-1.4	14.9	14.9	-1.4
12 18	15.4	1.5	15.3	11.9	10.9	4.9	1.6	-0.2	-1.6	5.6	5.6	-0.2
13 00	10.1	6.2	8.0	10.6	-9.6	4.4	1.8	-1.6	-0.6	8.7	8.7	-0.6
13 06	4.9	4.9	0.1	8.7	-7.7	4.1	3.5	-3.5	-0.6	5.9	5.9	-0.6
13 12	3.6	-1.1	-3.4	-8.5	-6.5	2.1	6.1	-4.4	-4.4	5.3	5.3	-2.2
13 18	14.0	5.5	-2.8	7.5	-4.8	5.7	5.0	-4.5	-4.5	5.3	5.3	-2.8
14 00	8.8	-8.8	-1.1	9.3	-5.5	5.5	9.4	-5.5	-5.5	9.3	9.3	-5.5
14 06	4.8	-8.8	-1.1	9.3	-5.5	5.5	9.4	-5.5	-5.5	9.3	9.3	-5.5
14 12	10.3	-8.6	-5.6	6.9	-4.9	4.4	1.3	-1.3	-1.3	10.3	-8.5	-5.6
14 18	15.2	-5.2	14.3	-8.4	-8.4	5.9	-5.5	-5.5	-5.5	15.2	-8.5	-5.6
15 00	10.0	-10.0	-5.5	9.5	-5.5	5.5	-10.0	-10.0	-10.0	10.0	-10.0	-5.5
15 06	5.1	-5.1	14.5	-8.4	-8.4	5.5	-10.0	-10.0	-10.0	5.1	-10.0	-5.5
15 12	14.8	-1.1	14.5	-8.4	-8.4	5.5	-10.0	-10.0	-10.0	14.8	-8.4	-5.5
15 18	14.9	-3.4	14.5	-8.6	-8.6	5.5	-10.0	-10.0	-10.0	14.9	-8.6	-5.5
16 00	12.8	-6.8	10.8	-5.4	-3.4	5.2	-10.0	-10.0	-10.0	12.8	-6.8	-5.4
16 06	9.6	-4.3	8.6	-3.1	-3.1	5.2	-10.0	-10.0	-10.0	9.6	-4.3	-3.1
16 12	9.3	-4.0	8.4	-3.3	-2.6	2.1	-10.0	-10.0	-10.0	9.3	-4.0	-3.3
16 18	7.6	-3.7	6.6	-2.7	-2.6	10.6	-10.0	-10.0	-10.0	7.6	-3.7	-3.3
17 00	5.7	-3.5	4.4	-2.7	-2.7	10.6	-10.0	-10.0	-10.0	5.7	-3.5	-3.3
17 06	5.6	-3.4	4.4	-2.7	-2.7	10.6	-10.0	-10.0	-10.0	5.6	-3.4	-3.3
17 12	4.6	-4.1	2.7	-2.3	-2.3	10.6	-10.0	-10.0	-10.0	4.6	-4.1	-4.0
17 18	3.8	-3.3	1.7	-4.0	-4.0	9.3	-9.7	-9.7	-9.7	3.8	-3.3	-3.3
18 00	0.9	-0.7	0.6	7.5	-1.5	7.8	-2.7	-2.7	-2.7	0.9	-0.7	-0.7
18 06	1.6	-1.1	-1.2	-12.2	-3.3	11.5	-6.4	-6.4	-6.4	1.6	-1.1	-1.1
18 12	0.8	-0.8	1.6	-3.9	-3.9	16.1	-9.6	-9.6	-9.6	0.8	-0.8	-0.8
18 18	2.8	-2.3	1.6	-14.4	-3.4	7.7	-2.7	-2.7	-2.7	13.2	-12.5	-3.4
19 00	4.6	-1.8	4.3	-11.0	4.4	10.9	-4.2	-4.2	-4.2	14.4	-14.4	-4.2
19 06	4.9	-0.9	4.9	-12.4	1.8	14.1	-3.1	-3.1	-3.1	14.4	-14.4	-4.1
19 12	5.6	-3.4	5.6	-18.8	1.8	14.8	-3.1	-3.1	-3.1	14.4	-14.4	-4.0
19 18	3.6	-1.3	3.4	-14.8	1.8	14.8	-3.6	-3.6	-3.6	14.4	-14.4	-3.6
20 00	0.4	0.4	8.4	5.9	6.0	8.6	-7.4	-7.4	-7.4	10.0	-10.0	-7.4
20 06	2.0	-0.2	11.5	11.3	2.3	7.9	-3.1	-3.1	-3.1	10.0	-10.0	-3.1
20 12	1.6	-0.7	11.4	9.3	7.4	6.3	-5.7	-5.7	-5.7	10.0	-10.0	-5.7
20 18	0.5	-0.5	-0.2	13.2	1.9	13.2	-5.7	-5.7	-5.7	10.0	-10.0	-5.7
21 00	0.7	-0.7	0.6	16.0	4.2	-3.8	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
21 06	3.1	-3.1	-0.5	13.7	6.0	-3.3	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
21 12	3.2	-3.2	0.4	10.7	8.9	-3.3	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
21 18	4.7	-4.7	4.7	-10.0	-0.5	-3.3	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
22 00	5.6	-2.0	5.2	-13.7	2.3	-4.2	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
22 06	9.5	-2.4	9.2	-11.0	2.1	-4.1	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
22 12	14.4	-0.2	14.4	9.7	0.7	-5.7	-1.7	-1.7	-1.7	10.0	-10.0	-1.7
22 18	1.3	-1.0	0.8	5.6	1.8	-3.1	-3.6	-3.6	-3.6	10.0	-10.0	-3.6
22 24	24.8	-1.2	24.8	-3.8	-3.8	5.1	-3.8	-3.8	-3.8	10.0	-10.0	-3.8
23 00	25.0	-1.0	-0.7	6.3	-3.0	5.3	-2.5	-2.5	-2.5	10.0	-10.0	-2.5
23 06	2.8	-1.2	2.5	-9.4	8.5	5.4	-0.2	-0.2	-0.2	10.0	-10.0	-0.2
23 12	6.3	-0.3	6.3	-6.4	7.2	3.8	-3.5	-3.5	-3.5	10.0	-10.0	-3.5
23 18	11.8	-2.1	11.8	-1.6	11.8	-0.5	-0.5	-0.5	-0.5	10.0	-10.0	-0.5
24 00	1.8	-1.7	11.7</td									

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v		
01 00	13.2 18 -13.0	7.5 -4.6	5.9 1.4 0.0	3.5 -0.8	3.4 12.3 -11.6	4.2 0.5 -0.1	-0.5 6.5 -1.1	6.4 6.2 -3.5	5.1 9.6 8.9 -3.5	8.4 8.4 -7.3	4.2 9.5 9.1 -2.6	10.5 10.5 9.1 -2.6		
01 08	7.8 -5.3	7.7 -3.3	7.0 2.1 -0.9	2.0 5.9 -0.8	5.5 11.8 -10.8	5.2 5.5 -0.6	-1.4 5.2 -2.1	5.8 7.8 -2.8	7.3 13.0 12.8 -2.5	8.3 8.3 -1.1	4.1 11.7 10.5 -3.4	9.5 9.5 -8.6 -3.2		
01 12	11.6 0.3	10.4 -2.6	10.1 4.0 -2.2	3.3 6.0 -2.0	6.5 11.8 -10.8	5.0 5.5 -0.6	-1.4 5.2 -2.1	5.8 7.8 -2.8	7.3 13.0 12.8 -2.5	8.3 8.3 -1.1	4.1 11.7 10.5 -3.4	9.5 9.5 -8.6 -3.2		
01 18	21.3 11.3	0.3 10.4	-2.6 10.1 4.0	-2.2 3.3	7.8 15.7 -14.9	5.0 3.0 1.9	-2.3 1.2 -1.0	-0.6 9.3 3.6	-3.6 8.5 11.7	8.4 8.4 -8.1	6.1 -6.1 -0.8	5.9 5.8 -1.2 -0.8		
02 00	29.0 28.1	-7.3 14.9	-6.7 13.3 3.5	-1.9 2.9	8.6 16.0 -16.7	2.8 1.5 1.1	-1.0 3.2 0.3	-3.2 9.5 2.1	9.5 10.2 6.3	8.0 8.0 4.9 -4.3	-2.3 7.6 7.5 -0.7	7.1 7.1 0.1 0.4		
02 12	20.6 20.2	-4.2 18.4	-12.5 13.6 7.4	-2.2 2.1	7.1 13.7 -13.0	4.3 4.3 18.6	-18.2 -3.9	6.7 6.7 0.3	3.6 3.6 0.5	12.1 1.6 10.0	9.9 9.2 -3.7	3.0 5.0 -2.9 11.5		
02 18	18.3 18.2	0.9 18.4	-14.6 11.4 7.0	-2.8 2.6	6.5 14.8 -14.5	2.8 2.8 16.4	-14.4 -7.9	4.3 4.3 -4.2	-1.0 6.3 3.6	4.7 3.7 1.9	3.7 3.7 1.3 12.9	-0.3 4.7 -0.7 1.4		
03 00	15.9 15.6	-3.3 16.0	-12.4 10.0 7.4	-1.2 2.1	7.3 16.3 -16.3	1.0 1.0 17.2	-13.0 -11.2	3.2 3.2 0.7	10.3 10.3 3.2	3.8 3.3 13.4 12.3 -5.2	0.7 0.7 -0.2 13.6 13.5 -0.8	5.9 5.4 -2.2		
03 06	16.9 16.4	-4.0 13.1	-10.7 7.5 7.9	-2.4 2.4	7.5 14.2 -13.8	3.3 3.3 13.8	-9.4 -10.1	0.5 0.5 0.1	14.1 14.1 3.5	13.6 12.6 4.2 4.0	1.3 14.1 13.6 -3.8	3.6 3.5 0.8 3.5 13.4 12.8 -4.0		
03 12	21.4 17.6	12.2 -9.7	1.9 8.9 -1.8	1.2 1.2	12.8 -12.7	1.5 1.5 11.6	-6.4 -9.1	0.2 0.2 0.1	10.9 10.9 3.0	14.3 14.3 4.5 4.7	1.7 14.3 13.8 -3.9	3.6 3.2 2.9 11.8 10.8 0.4		
03 18	21.0 17.8	1.7 7.1	9.5 6.0	5.0 5.0	13.4 13.4 9.4	0.0 0.0 0.7	0.4 0.4 0.1	15.5 15.5 1.5	0.9 0.9 0.9	4.2 4.2 1.9	1.9 1.9 1.5	1.5 1.5 1.1 0.1		
04 00	4.9 4.8	1.0 9.3	-7.1 6.0	7.9 7.9	-1.9 6.6	-0.8 1.4	4.5 4.5 3.3	3.1 3.1 1.0	9.0 6.2 6.5	4.1 4.1 2.9	1.7 1.7 1.3 12.9	-0.3 4.7 -0.7 1.4		
04 06	10.0 4.2	-9.1 8.1	-6.3 5.1	5.2 5.2	-2.3 4.6	6.9 6.9 -1.9	1.7 1.7 -0.4	-1.6 5.7	5.3 5.3 2.1	5.9 5.9 4.7 3.6	2.9 2.9 2.0 14.3 9.1 11.0	0.2 0.2 -0.5 14.0 13.8 -2.6		
04 12	13.8 3.2	-13.4 7.3	-5.9 4.2	4.1 3.7	3.2 3.1	7.7 7.7 -1.1	2.9 1.1 -0.8	-0.7 2.3	2.3 2.3 0.6	6.7 6.7 5.5 4.8	4.8 4.8 0.6 15.0 5.7 13.8	6.2 6.2 -3.2 -5.4 12.6 12.5 -1.8		
04 18	18.9 14.2	-18.4 7.6	-6.9 3.5	3.1 3.1	9.1 9.1	-7.9 4.6	2.3 2.3 -0.3	2.3 1.2	1.0 1.0 0.6	2.9 2.9 1.5 3.1	1.4 1.4 1.3 12.8 -2.9	3.8 3.8 0.3		
05 00	18.9 14.4	-18.8 7.6	-5.8 4.9	5.3 5.3	-1.4 3.3	12.4 12.4 -10.0	7.3 3.0	-0.7 3.0	3.0 1.4	1.2 1.2 4.7	4.8 4.8 0.2 11.1 1.1 1.1	1.1 1.1 0.5 -0.6		
05 06	16.9 2.8	-16.7 8.7	-6.8 5.3	5.7 5.7	7.7 6.2	4.6 4.6 13.8	-12.6 -5.5	5.4 1.9 0.8	0.6 0.6 0.5	3.0 3.0 3.5 6.4	-0.9 0.0 0.0 10.2 11.2 10.6	1.0 1.0 5.3 -2.7		
05 12	16.5 7.1	-14.8 6.5	-6.5 4.7	4.7 3.7	3.4 3.4	14.6 14.6 -12.3	7.9 7.9	-6.1 3.8	3.3 3.3 1.8	3.2 2.2 2.4	2.7 2.7 0.2 11.2 7.1 7.1	1.1 1.1 0.5 -0.6		
05 18	10.5 7.8	-7.0 6.5	-5.4 3.9	3.6 3.6	1.4 1.4	10.0 10.0 -8.1	6.5 6.5	-0.8 0.8	0.2 0.2 0.1	1.9 1.9 1.1	0.7 0.7 0.7 12.8 12.2 -3.7	4.3 4.3 -2.5 -3.5		
05 24	11.1 10.1	-2.3 7.1	1.1 1.1	1.1 1.1	1.1 1.1	10.4 10.4 -8.1	6.5 6.5	-0.8 0.8	0.2 0.2 0.1	1.9 1.9 1.1	0.7 0.7 0.7 12.8 12.2 -3.7	4.3 4.3 -2.5 -3.5		
06 00	12.1 2.1	-0.1 6.0	-5.0 4.5	3.9 19.4	16.9 -9.5	6.7 6.7 3.7	5.5 5.5 10.3	9.3 9.3 9.3	9.3 9.3 9.3	8.6 8.6 8.6	0.1 0.1 0.1 11.4 11.4 11.4	0.1 0.1 0.1 -0.1		
06 06	12.7 2.1	-0.1 6.0	-5.0 4.5	3.9 19.4	16.9 -9.5	6.7 6.7 3.7	5.5 5.5 10.3	9.3 9.3 9.3	9.3 9.3 9.3	8.6 8.6 8.6	0.1 0.1 0.1 11.4 11.4 11.4	0.1 0.1 0.1 -0.1		
06 12	6.7 6.4	-2.1 5.3	-4.9 4.9	19.0 20.2	17.3 10.5	6.5 6.5 0.3	6.5 6.5 14.2	-9.3 10.3	4.3 4.3 0.7	12.3 12.3 0.2	9.0 8.9 1.5 4.4	-5.4 5.4 1.1 11.1 9.7 -5.3		
06 18	4.1 1.7	-3.7 5.3	-5.2 0.7	21.5 18.1	-11.1 11.4	8.1 8.1	-0.8 0.8	14.5 11.0	9.3 6.1	0.5 0.5 6.1	11.4 11.4 1.3	1.7 1.7 1.1 11.1 11.1 11.1	0.1 0.1 0.1 -0.1	
07 00	4.2 3.4	-2.4 2.4	-6.1 6.1	5.1 5.1	-3.1 3.1	12.1 11.9	-11.5 11.1	11.6 11.6	5.9 5.9 0.6	8.1 8.1 1.1	0.3 0.3 3.1	3.1 3.1 1.1 11.1 11.1 11.1	1.4 1.4 0.7	
07 06	7.1 6.7	-2.4 5.3	-5.1 1.4	16.5 12.9	-10.4 15.9	11.7 11.7	-10.9 10.7	11.5 11.5	11.5 11.5	11.5 11.5	11.5 11.5	1.1 1.1 1.1 11.1 11.1 11.1	0.1 0.1 0.1 -0.1	
07 12	11.2 11.0	-2.0 7.1	6.3 7.1	-3.1 11.3	1.3 8.2	-7.9 7.9	5.6 5.6	-1.6 1.6	11.7 11.7	1.1 1.1	0.2 0.2 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9	
07 18	11.2 11.1	-1.4 7.1	7.3 7.3	-6.4 6.4	4.3 4.3	-9.3 9.3	5.7 5.7	-1.6 1.6	11.7 11.7	1.1 1.1	0.2 0.2 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9	
08 00	12.3 11.8	9.7 7.3	-6.4 6.4	4.3 4.3	-9.3 9.3	5.7 5.7	-1.6 1.6	11.7 11.7	1.1 1.1	0.2 0.2 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9		
08 06	10.0 10.0	-2.2 7.1	6.3 6.3	-3.1 3.1	2.4 2.4	-9.4 9.4	5.7 5.7	-1.6 1.6	11.7 11.7	1.1 1.1	0.2 0.2 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9	
08 12	7.5 7.3	-1.7 11.3	8.6 8.6	-3.2 3.2	2.8 2.8	16.8 16.8	-1.6 1.6	11.7 11.7	1.1 1.1	0.2 0.2 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9		
08 18	6.4 6.4	-0.2 9.7	-7.5 7.5	-6.2 6.2	4.3 4.3	-2.3 2.3	12.7 12.7	-11.7 11.7	6.4 6.4	5.5 5.5	4.5 4.5	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
09 00	5.1 5.1	0.9 7.0	-6.0 6.0	-7.3 7.3	0.8 0.8	-0.5 0.5	-10.0 10.0	8.8 8.8	-9.7 9.7	10.1 10.1	7.0 7.0 16.2	-15.7 15.7	2.9 2.9 1.1 2.0 1.1 1.1	
09 06	6.3 4.4	4.5 7.5	7.3 6.1	-5.1 5.1	3.1 3.1	-2.5 1.8	3.4 3.4	0.7 0.7	13.7 13.7	8.4 8.4	0.1 0.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9	
09 12	9.3 7.3	6.3 6.3	-5.6 5.6	-3.1 3.1	2.7 2.7	-6.5 5.0	4.9 4.9	-1.5 1.5	11.0 11.0	10.2 10.2	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9	
09 18	10.4 10.1	2.6 6.1	-5.9 5.9	-1.5 1.5	9.0 9.0	8.0 8.0	-1.8 1.8	9.1 9.1	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
09 24	13.6 13.6	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
10 00	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
10 06	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
10 12	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
10 18	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
10 24	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
11 00	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
11 06	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
11 12	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
11 18	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
11 24	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
12 00	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
12 06	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9 6.9 6.9
12 12	15.5 15.5	5.9 5.9	-4.1 4.1	0.9 0.9	11.7 11.7	5.3 5.3	-1.5 1.5	9.0 9.0	0.1 0.1	19.3 19.3	0.9 0.9	1.1 1.1 0.1	12.7 12.7 10.7	10.7 10.7 6.9 6.9

Spis tablic

Dzień/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	19.4	-19.3	1.9	13.7	-10.0	-4.4	10.2	0.2	10.2	5.6	3.9	-4.0	17.6	17.4	2.3	7.7	3.9	6.7	11.3	10.9	-3.0	7.4	6.0	4.4	2.6	4.5	6.4	3.7	-5.2	13.4	-4.8	12.5	8.2	8.1	0.1													
01 05	12.6	-12.2	3.4	10.9	-5.5	-4.4	10.0	0.2	10.5	5.6	3.9	-4.0	17.6	17.4	2.3	7.8	3.9	5.8	11.6	11.5	-1.4	7.5	5.5	4.4	3.5	3.3	6.4	-1.5	-15.3	-5.1	-14.7	14.6	14.5	-0.1														
01 10	10.0	-10.4	3.8	10.7	-6.1	-2.2	3.2	11.6	7.4	2.7	1.7	14.4	11.8	5.0	7.1	5.8	6.0	9.1	8.0	0.5	7.5	6.8	3.1	4.2	1.2	-1.2	2.2	-2.4	3.9	11.2	-3.9	10.5	11.6	11.1	-0.1													
01 15	1.2	-6.2	12.3	13.3	-6.6	14.9	11.0	10.1	8.9	9.6	2.4	0.5	17.7	7.1	5.8	9.1	8.0	0.5	7.5	6.8	3.1	4.2	1.2	-1.2	2.2	-2.4	3.9	11.2	-3.9	10.5	11.6	11.1	-0.1															
02 00	3.8	-0.6	-3.7	16.1	12.9	9.6	17.8	17.4	3.9	7.4	7.3	0.7	9.8	6.0	7.8	4.6	-0.2	2.2	8.4	8.0	-0.1	8.1	6.0	5.4	3.3	2.9	1.7	5.1	-3.4	3.8	11.3	-4.4	10.4	13.5	9.4	-0.1												
02 05	7.0	-0.7	6.5	8.9	7.9	3.1	15.2	12.8	8.5	10.3	9.7	3.6	23.4	-1.4	23.3	4.5	4.1	1.8	9.1	8.8	2.7	14.1	8.7	9.7	5.4	4.6	2.9	3.7	-3.4	1.5	11.7	-5.0	10.6	15.4	14.9	-0.1												
02 10	8.9	1.8	-8.7	9.5	7.8	-2.2	7.7	14.2	8.5	10.3	7.8	6.7	20.4	-0.1	20.4	6.4	5.8	2.7	8.7	8.0	-3.2	9.4	9.4	0.4	6.2	1.5	3.0	-3.6	0.6	10.1	6.6	7.7	1.3	18.0	-3.0	1.3												
02 15	5.6	1.4	-5.5	11.1	7.8	-8.0	16.3	5.3	5.7	7.5	4.5	6.1	13.2	10.4	8.1	6.1	-6.1	0.1	8.1	8.8	3.0	10.9	10.8	-1.1	8.5	1.3	8.4	-3.3	1.8	17.6	-5.5	17.8	1.7	1.1														
02 20	5.2	1.2	-0.2	6.6	27.2	-10.7	14.8	14.2	4.1	8.8	-5.5	6.8	5.0	2.3	4.5	8.2	-0.1	18.8	5.9	4.3	1.9	11.3	6.4	4.4	2.0	-3.5	4.5	1.7	2.2	12.2	-1.2	12.2	14.2	12.2	-0.1													
02 25	4.9	-3.3	-3.7	28.6	27.9	-6.7	16.3	16.3	12.1	1.8	-7.7	8.9	3.9	1.8	3.5	9.5	-1.8	9.3	6.2	5.1	3.6	6.8	6.6	-1.7	5.0	-5.0	4.9	5.0	1.1	4.9	10.6	6.5	8.3	12.9	12.9	-0.1												
02 30	5.7	-2.0	5.4	26.2	23.9	-10.7	14.8	14.2	4.1	8.8	-5.5	6.8	5.0	2.3	4.5	8.2	-0.1	18.8	5.9	4.3	1.9	11.3	6.4	4.4	2.0	-3.5	4.5	1.7	2.2	12.2	-1.2	12.2	14.2	12.2	-0.1													
02 35	4.4	-3.1	-3.1	18.8	17.2	-7.6	13.6	13.2	3.4	8.8	-8.0	3.5	4.5	8.2	-0.1	18.8	5.9	4.3	1.9	11.3	6.4	4.4	2.0	-3.5	4.5	1.7	2.2	12.2	-1.2	12.2	14.2	12.2	-0.1															
02 40	6.1	0.9	-6.0	13.2	13.1	-1.3	12.8	12.0	-4.4	9.7	-8.6	4.4	2.7	2.7	3.2	6.9	4.8	2.8	7.5	2.7	7.0	1.2	0.2	-2.4	5.8	-5.1	4.0	2.6	23.0	18.1	14.2	12.9	11.8	-0.1														
02 45	6.5	-0.7	-4.5	10.2	10.1	1.3	14.6	12.0	-8.2	10.3	-9.4	4.1	3.9	0.7	3.8	3.8	-1.8	3.4	8.3	3.9	7.3	2.4	0.2	-2.4	7.9	-5.9	4.5	4.5	0.1	22.8	18.4	13.4	14.9	12.9	-0.1													
02 50	8.0	1.2	-1.1	14.4	14.2	-4.5	14.3	13.9	-3.4	10.2	-10.0	6.2	1.3	-0.6	-0.6	2.7	2.0	1.7	1.8	4.3	4.6	3.2	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1										
02 55	1.8	-0.1	-0.1	14.4	14.2	-4.5	14.3	13.9	-3.4	10.2	-10.0	6.2	1.3	-0.6	-0.6	2.7	2.0	1.7	1.8	4.3	4.6	3.2	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1	2.2	1.1	0.1										
03 00	8.2	-0.4	-8.2	6.0	5.4	-5.7	14.7	14.0	-2.7	10.0	-5.5	5.3	7.2	-4.3	-2.7	2.2	2.7	2.7	2.7	5.4	5.5	-5.2	4.4	1.9	-3.7	5.8	-5.2	4.4	4.4	-1.3	10.7	10.4	5.5	5.5	4.4	4.4	2.4											
03 05	4.6	1.9	-4.2	5.4	4.6	-2.8	10.2	10.2	-2.3	9.3	-8.0	4.7	5.8	-2.6	-5.2	3.1	-2.9	1.2	9.9	7.4	6.6	4.1	5.1	2.7	4.4	3.3	-1.8	2.8	17.3	12.2	12.2	25.5	22.1	-1.2														
03 10	3.9	1.0	-3.8	5.5	5.5	-4.3	18.1	18.0	-1.6	13.1	-1.5	1.1	1.5	-0.4	-0.5	3.8	5.3	5.3	5.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1										
03 15	6.7	5.7	-5.6	5.3	3.3	-4.1	7.8	4.4	6.5	11.7	-11.6	1.0	8.7	7.0	5.2	7.2	-2.4	1.1	6.1	4.3	4.4	2.5	1.9	-1.6	-0.5	-1.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0											
03 20	10.7	10.3	-2.8	2.5	2.0	-1.5	13.1	5.1	5.6	11.9	-13.5	-1.3	12.1	9.1	-8.1	3.8	-0.7	0.7	8.1	4.8	-6.5	5.3	3.3	-3.2	0.7	-1.6	-0.8	-1.4	-1.4	6.7	13.8	13.6	13.6	13.6	13.6													
03 25	14.2	14.0	-2.5	4.3	4.0	1.4	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 30	14.2	14.0	-2.5	4.3	4.0	1.4	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 35	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 40	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 45	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 50	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
03 55	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 00	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 05	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 10	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 15	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 20	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 25	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 30	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 35	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 40	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 45	12.7	12.5	-2.0	4.7	4.3	4.0	17.7	14.2	4.2	14.0	14.8	-14.6	24	9.8	-4.1	2.1	-1.7	1.1	11.1	6.5	-9.0	3.7	3.3	-3.8	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1													
04 50	12.7	12.5	-2.0	4.7	4.3	4.0																																										

Spis tablic

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Dzien/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
V	u	v	V	u	v	V	u	v	V	u	v	V
01 00	7.3	3.8	6.2	22.6	-5.7	21.9	14.0	13.8	-2.3	8.6	8.5	1.3
01 06	4.9	3.2	3.7	16.0	1.0	15.9	19.1	18.8	-2.2	5.6	5.2	-8.2
01 12	2.8	2.1	1.8	5.5	-3.2	-4.4	81.1	11.0	-14.4	2.4	2.4	-0.2
01 18	1.6	1.4	0.8	21.1	10.2	-18.4	17.4	13.9	-10.4	2.8	-0.2	-2.8
02 00	1.8	-1.3	0.3	12.3	10.8	-6.0	18.0	13.0	-12.4	5.9	-3.1	5.0
02 06	3.5	-1.3	-3.3	14.9	12.9	7.6	15.5	13.4	-8.0	13.5	-5.3	-12.4
02 12	10.4	-1.9	-0.0	13.9	12.7	5.7	14.3	14.1	-2.4	17.0	-10.6	13.6
02 18	12.7	1.5	-12.7	11.5	8.7	7.0	10.6	10.1	-3.1	15.5	-11.8	10.5
02 24	15.5	1.5	1.5	15.5	15.5	15.5	15.5	15.5	-1.5	15.5	15.5	15.5
03 00	7.6	-1.6	1.5	10.5	5.0	-10.5	16.8	6.6	-15.4	11.0	-10.9	8.0
03 06	13.2	9.0	-1.4	12.2	3.2	-3.5	7.1	5.1	-6.3	12.5	-10.6	8.6
03 12	16.8	9.0	-1.4	12.2	3.2	-3.5	7.1	5.1	-6.3	12.5	-10.6	8.6
03 18	14.2	8.0	-11.7	8.5	5.8	-6.2	11.5	7.7	-4.5	8.4	-7.7	7.6
04 00	10.4	5.2	-9.0	4.7	-0.7	-4.3	11.3	6.7	-9.1	10.0	-7.4	-6.7
04 06	7.5	3.9	-6.4	2.4	-2.4	0.1	13.5	4.5	-12.6	9.2	-9.5	-8.1
04 12	3.3	1.9	-2.6	11.9	9.2	-7.5	9.5	5.2	-9.0	10.0	-1.1	-3.4
04 18	1.8	0.8	1.8	11.9	9.2	-7.5	10.6	5.0	-12.6	7.8	-9.5	-8.1
05 00	6.8	-1.2	6.7	7.2	7.1	-1.5	9.3	5.3	-14.5	10.5	-10.1	-1.5
05 06	10.8	1.5	-1.5	13.0	7.2	3.7	13.3	7.4	-3.9	12.8	-8.9	-2.2
05 12	10.9	-3.2	-0.2	13.0	7.2	3.7	13.3	7.4	-3.9	12.8	-8.9	-2.2
05 18	9.4	-3.5	-0.7	14.1	1.3	3.7	12.4	12.3	-8.6	8.5	-3.5	-1.5
05 24	6.3	-2.4	5.8	13.1	12.7	3.0	11.7	11.6	-7.6	5.5	-2.7	-2.1
06 00	6.6	-2.1	6.3	12.1	12.0	1.3	11.8	7.5	-9.0	6.3	-3.3	-5.3
06 06	5.8	-2.3	5.3	11.3	1.0	14.5	3.7	14.1	-5.7	1.6	-1.5	-0.7
06 12	7.2	-4.0	6.0	8.2	8.2	0.8	16.6	1.1	-0.9	5.9	-5.4	-5.4
06 18	7.0	-5.2	4.7	6.5	6.3	1.7	17.5	4.7	-2.3	6.0	-4.5	-3.0
07 00	5.9	-4.2	4.2	6.6	5.8	3.0	20.4	-1.0	2.3	4.7	-3.0	-2.3
07 06	4.8	-4.7	1.0	5.5	4.5	-3.1	17.6	4.3	-4.5	6.9	-3.4	-3.4
07 12	10.8	3.0	-0.4	14.1	1.3	3.7	12.5	12.5	-7.6	7.7	-2.1	-2.1
07 18	3.0	-3.0	-0.4	14.1	1.3	3.7	12.5	12.5	-7.6	7.7	-2.1	-2.1
07 24	4.1	-3.4	-0.5	14.1	1.3	3.7	12.5	12.5	-7.6	7.7	-2.1	-2.1
08 00	5.2	-2.9	-1.1	8.9	4.7	-4.5	11.7	8.8	-9.0	3.9	-0.3	-0.3
08 06	12.3	-3.3	0.1	6.5	8.8	5.3	12.4	3.2	-2.6	5.1	-3.4	-3.4
08 12	9.2	-3.3	0.1	6.5	8.8	5.3	12.4	3.2	-2.6	5.1	-3.4	-3.4
08 18	4.5	-3.7	2.6	5.1	8.8	5.3	12.4	3.2	-2.6	5.1	-3.4	-3.4
08 24	3.9	-3.8	0.9	4.9	8.8	5.3	12.4	3.2	-2.6	5.1	-3.4	-3.4
09 00	3.9	-3.8	0.9	4.9	0.4	-10.1	3.5	6.6	-0.3	-0.5	-2.4	-2.4
09 06	5.3	-4.5	2.9	6.4	4.5	9.9	-9.5	2.7	-1.1	8.1	-4.7	-4.7
09 12	4.8	-4.5	1.7	8.6	4.0	7.6	-1.1	8.1	-4.7	8.1	-4.5	-4.5
09 18	6.3	-5.2	3.7	12.9	4.7	12.0	8.1	-0.5	4.9	-6.7	-9.2	-9.2
09 24	7.2	-6.2	2.7	16.3	7.4	14.4	6.8	-0.4	4.3	-6.0	-10.4	-10.4
10 00	7.2	-6.6	3.0	14.1	7.1	12.2	6.7	-6.7	0.1	5.5	-1.1	-8.6
10 06	7.2	-6.2	2.7	16.3	7.4	14.4	6.8	-0.4	4.3	-6.0	-10.4	-10.4
10 12	7.8	-6.6	3.0	14.1	7.1	12.2	6.7	-6.7	0.1	5.5	-1.1	-8.6
10 18	7.8	-6.6	3.0	14.1	7.1	12.2	6.7	-6.7	0.1	5.5	-1.1	-8.6
10 24	7.8	-6.6	3.0	14.1	7.1	12.2	6.7	-6.7	0.1	5.5	-1.1	-8.6
11 00	8.6	-8.4	1.5	9.2	4.5	8.0	-7.1	8.8	-3.9	5.0	-8.6	-8.6
11 06	7.1	-7.1	-0.3	4.6	10.0	4.5	-12.1	1.3	-7.8	7.0	-20.6	-6.9
11 12	6.6	-6.4	-1.6	3.3	0.2	3.2	4.7	-2.1	6.6	-5.6	-2.5	-2.5
11 18	5.7	-5.1	-2.7	2.3	1.0	2.1	3.5	-3.4	7.3	-6.3	-1.1	-1.1
11 24	5.9	-5.3	-2.1	4.1	-1.6	0.5	1.1	-0.5	5.5	-5.5	-1.1	-1.1
12 00	5.8	-5.9	-0.8	5.1	-2.6	-1.7	1.4	-1.4	0.2	5.1	-0.6	-3.6
12 06	5.8	-5.9	-0.8	5.1	-2.6	-1.7	1.4	-1.4	0.2	5.1	-0.6	-3.6
12 12	7.0	-5.6	2.6	7.8	-2.4	-3.8	3.0	-1.6	5.0	-5.5	-1.1	-1.1
12 18	7.0	-5.6	2.6	7.8	-2.4	-3.8	3.0	-1.6	5.0	-5.5	-1.1	-1.1
12 24	7.0	-5.6	2.6	7.8	-2.4	-3.8	3.0	-1.6	5.0	-5.5	-1.1	-1.1
13 00	9.5	-6.3	3.9	8.8	-3.8	-2.4	13.1	-2.2	2.2	0.3	3.0	-2.0
13 06	12.3	-3.9	3.9	8.8	-3.8	-2.4	13.1	-2.2	2.2	0.3	3.0	-2.0
13 12	14.2	-12.6	1.5	8.0	1.3	14.1	-6.5	3.2	12.5	-3.0	2.1	21.3
13 18	16.4	-14.6	-7.4	3.2	0.8	3.1	14.0	-7.5	11.8	-2.2	3.0	21.3
13 24	16.7	-15.7	-5.7	4.2	3.9	13.7	-7.8	12.0	-2.6	3.0	21.3	21.3
14 00	16.2	-16.0	-2.5	5.5	5.1	22.2	-9.2	14.0	-3.7	3.6	21.3	21.3
14 06	17.1	-17.0	-1.8	8.1	7.8	2.6	14.0	-10.4	12.3	-3.0	3.6	21.3
14 12	17.1	-17.0	-1.8	8.1	7.8	2.6	14.0	-10.4	12.3	-3.0	3.6	21.3
14 18	15.1	-15.1	0.3	7.1	7.8	2.6	14.0	-10.4	12.3	-3.0	3.6	21.3
14 24	15.1	-15.1	0.3	7.1	7.8	2.6	14.0	-10.4	12.3	-3.0	3.6	21.3
15 00	16.0	-15.9	1.3	7.7	0.7	16.6	-9.5	12.2	-3.0	3.6	21.3	21.3
15 06	14.5	-15.8	0.8	8.4	0.6	15.4	-9.5	12.2	-3.0	3.6	21.3	21.3
15 12	13.8	-15.7	0.3	8.4	0.6	15.4	-9.5	12.2	-3.0	3.6	21.3	21.3
15 18	12.4	-15.6	0.3	8.4	0.6	15.4	-9.5	12.2	-3.0	3.6	21.3	21.3
15 24	11.9	-15.4	0.3	8.4	0.6	15.4	-9.5	12.2	-3.0	3.6	21.3	21.3
16 00	10.7	-8.8	6.8	12.4	8.1	-2.3	12.0	-9.5	12.2	-3.0	3.6	21.3
16 06	11.0	-5.9	11.5	11.0	3.2	-1.6	10.5	-9.5	12.2	-3.0	3.6	21.3
16 12	8.5	-0.3	8.9	8.6	0.6	-12.2	6.0	-18.0	12.2	-3.0	3.6	21.3
16 18	6.3	-0.4	6.2	5.1	-0.5	-1.1	6.0	-18.0	12.2	-3.0	3.6	21.3
16 24	5.3	-3.0	4.5	5.1	-0.5	-1.1	6.0	-18.0	12.2	-3.0	3.6	21.3
17 00	5.3	-3.0	4.5	5.1	-0.5	-1.1	6.0	-18.0	12.2	-3.0	3.6	21.3
17 06	4.7	-2.2	2.7	2.6	0.3	-10.5	2.4	-22.4	12.2	-3.0	3.6	21.3
17 12	7.1	-3.3	6.2	2.1	1.6	-6.2	2.6	-25.0	12.2	-3.0	3.6	21.3
17 18	7.2	-3.3	6.1	1.8	1.5	-6.2	2.6	-25.0	12.2	-3.0	3.6	21.3
17 24	10.8	-3.6	6.1	1.8	1.5	-6.2	2.6	-25.0	12.2	-3.0	3.6	21.3
18 00	10.9	-10.2	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
18 06	14.4	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
18 12	17.1	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
18 18	17.1	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
18 24	12.2	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
19 00	6.4	-3.8	5.2	3.8	-0.8	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
19 06	14.8	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
19 12	17.1	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
19 18	17.1	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
19 24	12.2	-10.5	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
20 00	16.6	-10.6	3.9	3.8	-3.0	-2.4	11.9	-10.4	12.2	-3.0	3.6	21.3
20 06	20.1	5.0	-2.1	4.5	6.0	-1.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
20 12	18.4	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
20 18	17.1	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
20 24	15.5	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
21 00	10.3	-1.1	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
21 06	14.7	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
21 12	12.2	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
21 18	11.9	-10.3	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
21 24	10.4	-10.2	6.0	-9.6	6.3	-5.2	-7.2	-2.7	12.2	-3.0	3.6	21.3
22 00	1.6	-1.5	7.1	-6.1	3.7	-5.7	-4.9	-0.3	7.1	-5.2	-1.1	-1.1
22 06	1.6	-1.5	7.1	-6.1	3.7	-5.7	-4.9	-0.3	7.1	-5.2	-1.1	-1.1
22 12	1.6	-1.5	7.1	-6.1	3.7	-5.7	-4.9	-0.3	7.1	-5.2	-1.1	-1.1
22 18	1.6	-1.5	7.1									

Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v			
01 00	30.5	-0.6	19.8	16.5	-10.9	15.4	-5.0	14.5	7.5	-7.4	-0.9	15.8	14.6	-6.1	5.1	-0.6	5.1	15.7	15.7	0.9	8.5	8.3	-1.9	7.1	4.5	-5.5	2.8	-2.6	-0.8	15.5	11.2	-10.7	8.1	6.7	4.6				
01 08	27.5	-2.7	-9.7	21.9	16.8	-10.9	16.4	-4.2	15.8	8.7	-8.2	2.9	15.8	15.3	-3.4	7.0	0.1	7.0	14.8	14.8	0.1	7.3	7.1	-6.1	4.1	-4.6	3.4	-3.3	-0.8	16.7	13.8	-9.7	4.3	1.9	3.8				
01 12	27.0	-2.6	-7.4	21.6	16.9	-10.9	16.9	-4.2	15.7	8.7	-8.2	2.9	15.8	15.3	-3.4	7.0	0.2	7.0	14.8	14.8	0.2	7.3	7.2	-6.2	4.1	-4.6	3.4	-3.3	-0.8	16.7	13.8	-9.7	4.3	1.9	3.8				
01 18	22.1	-20.5	-8.3	14.3	10.5	-9.7	14.6	-4.0	14.1	10.5	-9.3	4.8	12.2	10.9	-5.7	4.8	1.9	4.4	12.9	12.9	-0.3	3.4	-1.2	3.2	5.0	2.3	-4.5	6.9	-4.3	-4.1	2.9	2.0	-2.1	12.7	10.8	-8.5	5.1	-0.9	5.0
02 00	20.8	14.4	-15.0	9.7	8.0	-5.5	13.6	-3.1	13.2	9.1	-7.4	5.4	11.4	10.8	3.5	3.4	2.8	2.0	13.3	13.3	-0.6	4.4	-1.3	4.2	4.4	1.4	-4.1	8.5	-3.6	7.7	7.3	8.9	-2.6	6.2	-6.2	0.6			
02 12	16.9	13.8	-9.9	19.4	18.2	-7.3	10.0	-1.2	9.9	8.8	-7.0	5.3	11.4	11.3	-1.4	0.3	-0.3	0.2	8.6	7.6	4.0	7.4	5.3	-5.2	4.7	-0.4	4.7	12.8	-5.7	11.5	2.2	2.2	0.7	8.0	-5.1	6.1			
02 18	12.1	12.0	1.1	22.4	21.8	-5.4	7.9	0.5	7.9	8.0	-5.3	6.0	11.3	10.3	-3.3	2.6	-2.6	0.1	4.8	4.3	3.3	4.1	-2.7	4.5	4.0	-2.1	6.8	5.3	-4.3	9.3	1.3	9.2	4.8	3.9	2.8	24.0	24.0	0.2	
03 00	14.8	7.1	13.0	31.1	29.5	-9.7	5.3	-0.6	5.3	6.5	-1.3	6.3	11.1	10.2	-4.4	3.9	-3.9	0.0	4.9	2.5	4.2	6.4	3.6	-5.2	4.3	-0.5	4.3	12.3	-5.9	10.8	20.1	0.4	-20.1	8.7	0.2	-8.7			
03 06	13.3	0.0	13.3	21.7	20.1	-8.1	4.5	-0.6	4.5	6.2	0.9	6.2	10.1	9.9	-1.9	4.8	-3.9	2.9	11.4	-0.8	11.1	7.1	1.4	-7.0	5.4	-0.7	5.3	12.3	9.8	4.4	-8.8	10.1	6.7	-7.5					
03 12	15.1	-1.4	15.4	27.0	26.0	-7.2	2.7	1.4	6.3	0.4	6.3	6.2	12.0	12.0	-0.5	6.1	-5.0	4.8	2.8	1.5	15.1	14.2	1.3	5.0	0.9	-5.1	13.8	-2.4	13.0	4.0	-3.4	16.3	-6.5						
03 18	12.5	-1.4	12.6	19.8	19.8	-9.6	10.3	4.1	14.0	9.7	-9.5	6.0	11.3	10.3	-3.3	2.6	-2.6	0.1	4.8	4.3	3.3	4.1	-2.7	4.5	4.0	-2.1	6.8	5.3	-4.3	9.3	1.3	9.2	4.8	3.9	2.8	24.0	24.0	0.2	
04 00	9.6	-9.5	-1.7	17.7	17.7	-0.3	5.9	-3.4	5.9	4.5	-0.2	7.5	7.0	5.3	5.3	-3.3	2.1	4.1	-2.7	4.5	4.0	-2.1	6.8	5.3	-4.3	9.3	1.3	9.2	4.8	3.9	2.8	24.0	24.0	0.2					
04 06	13.4	-8.4	-10.4	15.8	15.3	-3.8	9.1	-3.1	8.5	9.2	-1.3	9.1	7.3	2.8	6.7	9.7	9.5	4.0	-8.6	3.5	2.7	-2.1	10.2	8.2	-6.1	12.0	1.0	12.0	6.6	7.4	6.1	19.4	19.4	-1.4					
04 12	0.9	0.1	0.9	12.2	12.2	1.2	9.1	-1.4	9.0	7.3	-2.8	6.7	9.0	-1.8	8.8	4.5	-1.4	4.3	7.9	4.9	-2.7	2.0	-0.1	10.8	8.1	7.1	15.2	14.1	5.6	14.3	14.3	-0.4							
04 18	6.7	-2.0	6.4	10.5	10.0	3.2	5.8	1.3	-5.7	5.4	-4.7	2.7	10.1	-5.6	8.4	11.0	8.1	-7.4	9.1	-3.4	2.8	2.8	0.1	4.6	3.9	-2.4	15.3	11.4	-10.4										
05 00	5.4	-4.7	2.5	10.3	10.0	2.2	3.4	2.8	-2.3	6.1	-5.9	1.5	8.9	-5.3	7.1	10.3	-7.9	12.5	11.5	4.9	2.3	2.3	0.1	4.2	3.3	-2.7	15.5	13.3	-10.4										
05 06	5.9	-4.0	-4.3	11.3	11.0	2.6	2.5	2.2	1.3	5.8	-5.7	-0.6	10.4	-8.8	8.6	8.9	-8.5	2.8	10.3	9.5	-1.6	1.2	1.1	1.1	1.2	1.1	-2.7	15.5	13.3	-10.4									
05 12	10.4	-2.9	-10.0	12.6	12.3	4.9	7.0	3.7	6.0	6.4	-5.0	-2.4	11.6	-11.4	9.0	9.0	0.0	6.0	5.8	-1.5	1.2	1.1	1.1	1.2	1.1	-2.7	15.5	13.3	-10.4										
05 18	11.5	-5.1	-5.7	12.6	12.3	6.0	0.4	2.2	6.1	5.5	-4.8	-2.4	11.7	-11.5	12.0	12.0	-3.0	1.2	1.0	4.4	2.0	-0.1	21.0	5.0	-2.2	12.8	12.7	12.7	12.7	12.7	12.7								
05 24	2.7	-2.3	-1.4	14.3	14.0	-2.2	5.4	-0.6	5.4	5.2	-0.5	2.2	14.3	-14.0	14.0	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0							
06 00	2.7	-2.3	-1.4	14.3	14.0	-2.2	5.4	-0.6	5.4	5.2	-0.5	2.2	14.3	-14.0	14.0	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0							
06 06	2.7	-2.3	-1.4	14.3	14.0	-2.2	5.4	-0.6	5.4	5.2	-0.5	2.2	14.3	-14.0	14.0	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0	14.3	-7.0							
06 12	5.5	-3.9	-3.9	9.3	8.7	3.5	8.3	7.9	-2.4	6.8	2.2	-6.4	6.5	0.5	-6.5	6.0	5.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5					
06 18	6.1	-1.9	-5.8	20.8	17.5	11.2	5.9	3.7	4.5	4.5	-4.7	-3.6	3.7	2.2	-3.0	5.0	5.0	4.8	-0.2	4.2	3.2	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6			
07 00	8.4	1.5	-8.3	27.1	27.1	0.4	9.8	9.7	6.3	6.3	4.2	-4.7	3.6	0.8	-3.5	3.1	3.1	-0.6	1.6	1.0	1.3	0.2	4.0	4.2	8.8	-2.0	15.4	14.7	-14.5	13.7	8.6	10.7							
07 06	8.9	6.2	-6.3	24.1	21.7	-11.7	0.9	-2.3	12.9	7.1	5.3	5.4	8.8	-1.0	-1.2	2.0	2.0	0.8	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
07 12	9.8	5.5	-8.1	22.2	21.3	-8.3	13.2	3.7	12.7	5.3	5.1	4.3	8.8	-3.6	-3.6	3.8	3.8	0.7	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
07 18	13.1	13.1	-0.4	27.9	-2.7	12.9	17.0	16.9	17.7	1.1	2.2	1.2	1.2	-0.3	1.2	1.2	1.2	-0.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2				
08 00	17.4	1.6	3.5	27.5	28.2	14.8	13.1	12.0	5.2	2.6	2.6	0.0	9.6	-8.1	5.2	9.1	15.8	15.8	2.9	2.9	-1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
08 06	21.8	1.6	3.5	27.5	28.2	14.8	13.1	12.0	5.2	2.6	2.6	0.0	9.6	-8.1	5.2	9.1	15.8	15.8	2.9	2.9	-1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2				
08 12	22.6	1.6	3.5	27.5	28.2	14.8	13.1	12.0	5.2	2.6	2.6	0.0	9.6	-8.1	5.2	9.1	15.8	15.8	2.9	2.9	-1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
08 18	17.6	13.4	10.2	-8.6	5.3	-1.6	3.8	-1.8	11.5	2.4	-0.5	10.5	-4.5	-1.0	11.5	-7.0	8.1	-1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
08 24	22.6	13.4	10.2	-8.6	5.3	-1.6	3.8	-1.8	11.5	2.4	-0.5	10.5	-4.5	-1.0	11.5	-7.0	8.1	-1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
09 00	11.0	-8.5	-8.7	-0.2	14.2	14.1	1.5	5.5	-3.4	8.7	-3.6	-4.2	1.5	-0.3	8.7	-3.6	-4.2	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3				
09 06	11.0	-8.5	-8.7	-0.2	14.2	14.1	1.5	5.5	-3.4	8.7	-3.6	-4.2	1.5	-0.3	8.7	-3.6	-4.2	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3				
09 12	10.0	-8.5	-8.7	-0.2	14.2	14.1	1.5	5.5	-3.4</td																														

Spis tablic

Dzien/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01/00	11.6	0.8	11.6	16.7	-7.7	-14.8	10.8	9.8	4.6	8.5	7.3	-4.4	8.7	8.5	5.0	1.9	1.3	1.4	8.6	8.5	-0.9	7.7	-4.9	-5.9	2.1	2.1	0.5	9.6	-4.0	8.8	5.2	3.7	3.7	7.7	5.8	-5.0												
01/06	3.9	1.6	3.9	12.8	-1.1	-11.4	11.4	10.3	4.9	7.2	6.5	-2.3	14.7	11.2	9.8	0.8	8.0	8.0	-0.3	7.2	-5.2	-5.4	1.1	1.1	0.6	11.8	-4.5	5.5	3.9	3.1	2.4	2.3	9.7	5.0	-5.0													
01/12	1.6	1.4	1.6	8.8	-6.1	-16.0	16.8	14.3	10.2	5.3	5.3	-3.0	12.1	10.8	5.4	3.4	-1.6	3.1	6.5	-2.4	-6.4	9.3	9.2	8.7	3.2	6.5	-3.2	2.2	4.9	3.3	2.2	4.9	3.3	-0.5	10.4	4.5	4.0											
01/18	2.4	-0.1	2.4	6.7	-3.4	-5.8	17.0	16.5	3.9	3.9	2.7	-0.2	10.4	9.3	8.7	3.9	-2.8	2.6	6.8	-4.4	-2.2	7.1	-7.0	-1.2	11.6	10.3	-5.3	-3.9	-2.8	8.5	7.9	3.1	7.0	5.4	5.2	3.7												
02/00	6.2	-2.3	-5.8	4.9	-2.3	-4.4	15.8	11.9	10.4	4.6	4.6	-0.2	6.9	6.9	-0.6	3.1	-1.3	2.8	5.8	-5.6	-1.6	6.1	5.9	-1.7	11.9	11.7	2.4	5.8	-3.2	4.8	13.6	13.2	3.2	6.3	5.2	5.2	3.7											
02/06	1.6	0.0	1.6	3.5	-2.0	-2.9	14.9	14.9	0.4	3.7	3.0	2.2	12.5	10.3	-8.7	5.4	-0.9	5.4	4.8	-2.4	2.4	5.9	-5.9	-0.6	13.0	11.4	6.3	5.3	-4.0	3.5	19.9	19.0	-5.7	0.0	-0.4	0.0												
02/12	0.2	0.1	0.2	1.5	-0.3	-1.5	21.2	20.2	6.3	-4.7	-0.2	-4.7	13.7	13.5	-2.1	3.9	-2.3	3.1	3.4	2.7	2.1	4.9	4.9	0.4	12.0	10.2	1.2	6.5	-5.7	5.7	-0.7	16.1	15.2	-6.2	1.0	-0.6	0.5											
02/18	3.5	0.3	3.4	1.5	-0.3	-1.5	21.2	20.2	6.3	-4.7	-0.2	-4.7	13.7	13.5	-2.1	3.9	-2.3	3.1	3.4	2.7	2.1	4.9	4.9	0.4	12.0	10.2	1.2	6.5	-5.7	5.7	-0.7	16.2	15.2	-6.2	1.0	-0.6	0.5											
03/00	6.8	3.0	6.1	2.4	1.8	-1.8	18.1	18.1	2.3	6.0	0.9	5.9	14.0	13.8	-3.7	3.2	-0.6	2.7	2.4	4.5	1.9	4.0	4.6	4.4	-1.2	15.4	13.3	-5.6	6.0	-3.1	5.1	14.3	11.7	-8.3	1.2	-0.8	0.5											
03/06	14.6	1.7	14.5	2.3	1.2	-2.0	17.8	17.4	3.5	6.8	1.3	6.6	13.8	12.4	6.2	3.2	-0.1	3.2	10.2	0.6	10.1	4.0	3.6	1.7	19.5	18.3	5.3	6.6	-5.1	3.4	14.7	12.0	-8.4	1.2	-0.6	0.5												
03/12	15.8	3.5	15.7	3.4	3.0	-1.8	14.9	14.9	10.3	5.4	5.1	5.1	17.7	17.5	16.4	2.8	-1.8	2.0	1.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2										
03/18	1.5	0.5	1.5	2.2	-2.0	-2.9	14.2	14.2	10.8	9.6	8.3	8.8	12.8	12.8	8.8	3.3	-1.1	1.3	13.0	6.5	6.5	-0.1	12.9	4.4	3.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4						
04/00	10.5	1.0	10.5	3.7	-3.5	-3.5	17.3	16.4	5.0	10.0	10.6	10.6	9.3	9.2	9.2	6.9	1.9	1.9	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2										
04/06	9.5	9.2	9.6	2.6	-2.6	-2.6	16.6	14.2	8.8	11.6	9.8	9.8	8.2	6.2	14.2	8.5	11.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5											
04/12	9.7	7.1	6.6	4.2	-4.1	-0.8	21.3	18.1	11.4	10.0	7.0	-7.1	11.4	7.1	8.9	3.7	-3.0	2.1	11.4	9.1	-6.8	5.9	1.8	25.6	25.3	-3.6	3.6	-7.6	18.8	12.4	-11.4	3.0	-1.1	0.0														
04/18	6.9	5.4	6.3	4.7	4.7	0.1	21.5	20.7	5.6	7.9	5.6	-5.5	5.4	3.7	3.9	3.6	3.5	0.5	13.3	13.0	0.9	6.0	5.7	1.7	12.1	11.6	3.6	9.8	-3.9	8.5	6.3	3.1	2.4	1.9														
05/00	4.3	1.7	4.0	5.0	4.8	1.4	20.8	20.3	4.8	4.7	3.3	-3.4	1.6	0.3	1.6	1.5	-1.4	0.6	14.0	13.8	-2.5	4.3	4.2	0.5	12.2	10.2	6.5	6.6	-1.3	13.3	5.1	5.0	1.3	1.0	0.0													
05/06	2.2	0.4	-2.1	2.1	7.1	0.4	18.2	16.7	7.2	0.7	0.6	-0.3	6.3	-4.5	4.5	1.3	-0.9	1.0	13.3	13.2	-1.6	4.8	4.8	1.1	12.3	11.9	3.6	9.7	-2.7	14.7	11.7	-1.1	0.6	-0.5	0.0													
05/12	7.3	-0.1	-7.3	6.5	-6.5	-0.4	15.4	14.1	6.2	1.3	0.6	1.1	12.4	7.3	10.1	8.8	0.6	1.7	9.2	8.2	7.1	5.8	4.8	1.7	7.5	5.3	-5.4	1.5	1.5	1.0	0.5	0.0																
05/18	1.2	-1.2	0.4	6.3	6.3	-0.2	11.3	8.6	7.3	-2.6	0.1	2.6	10.7	-1.6	10.6	3.3	3.3	0.2	7.3	7.2	1.1	6.0	4.9	3.4	3.1	2.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7															
05/24	11.7	1.7	11.7	1.7	1.7	1.7	11.8	-1.8	-1.8	2.4	-0.4	-2.4	8.3	-5.2	-5.2	4.1	-3.0	-4.2	7.3	-6.1	-4.0	5.7	5.6	5.6	5.4	5.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5															
06/00	16.8	-2.5	-11.6	11.9	-11.8	-1.8	2.4	-0.4	-2.4	8.3	-5.2	-5.2	4.1	-3.0	-4.2	7.3	-6.1	-4.0	5.7	5.6	5.6	5.4	5.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5													
06/06	25.4	-22.4	-11.8	11.9	-11.8	-1.8	2.4	-0.4	-2.4	8.3	-5.2	-5.2	4.1	-3.0	-4.2	7.3	-6.1	-4.0	5.7	5.6	5.6	5.4	5.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5													
06/12	26.0	-26.7	-3.1	10.3	9.6	-8.6	4.4	-0.1	-4.4	8.3	-5.2	-5.2	4.1	-3.0	-4.2	7.3	-6.1	-4.0	5.7	5.6	5.6	5.4	5.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5													
06/18	25.4	-25.4	-11.8	11.9	-11.8	-1.8	2.4	-0.4	-2.4	8.3	-5.2	-5.2	4.1	-3.0	-4.2	7.3	-6.1	-4.0	5.7	5.6	5.6	5.4	5.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5													
07/00	24.4	-17.2	-17.3	14.3	13.0	-6.0	2.3	0.2	0.3	6.3	-1.8	-0.3	3.8	-6.8	-6.8	5.2	-3.2	-3.1	3.4	3.2	2.6	2.2	5.2	-5.1	-0.3	10.4	-1.6	7.6	-1.6	7.6	-1.6	7.6	-1.6	7.6	-1.6	7.6	-1.6	7.6										
07/06	20.4	-11.6	-16.8	10.7	10.5	-2.1	2.0	2.0	0.0	7.1	4.4	6.9	3.2	-3.2	0.3	6.8	-4.5	-4.5	1.8	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0										
07/12	18.0	-9.5	-15.0	11.1	11.1	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
07/18	16.1	-9.4	-14.0	13.0	12.9	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
07/24	15.7	-9.3	-13.6	12.9	12.8	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
07/30	15.2	-9.2	-13.5	12.8	12.7	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/00	15.0	-9.1	-13.4	12.7	12.6	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/06	14.6	-8.9	-13.3	12.6	12.5	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/12	14.1	-8.8	-13.2	12.5	12.4	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/18	13.7	-8.7	-13.1	12.4	12.3	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/24	13.3	-8.6	-13.0	12.3	12.2	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
08/30	12.9	-8.5	-12.9	12.2	12.1	1.1	1.8	0.3	-0.3	8.1	5.5	5.5	6.9	-4.1	-4.1	4.8	-3.3	-6.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3										
09/00	12.6	-8.4	-12.8	12.1	12.0	1																																										

Spis tablic

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Dziel/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	v	u	v	v	u	v	v	u	v	v	u	v
01 00	8.0	7.7	-2.1	8.8	8.2	3.2	13.3	-7.0	11.3	6.0	-5.1	3.2
01 06	6.2	6.2	-0.8	23.8	6.1	23.0	11.5	-7.3	9.8	-8.3	2.3	4.7
01 12	7.8	7.7	1.3	25.8	11.4	23.2	7.2	-4.1	5.9	12.3	-12.2	1.0
01 18	6.9	6.4	2.7	23.6	20.5	11.7	5.9	-4.3	3.3	12.5	-12.5	0.3
02 04	9.9	6.6	6.1	21.9	21.0	1.1	3.0	-2.8	2.0	1.2	6.4	-6.7
02 10	1.9	9.9	6.6	21.9	21.0	1.1	3.0	-2.8	2.0	1.2	6.4	-6.7
02 16	13.3	5.7	18.6	16.8	-7.8	2.2	-1.5	1.7	8.6	-2.7	6.2	13.8
02 22	14.5	13.3	5.7	18.6	16.8	-7.8	2.2	-1.5	1.7	8.6	-2.7	6.2
02 28	15.0	12.5	-8.2	20.6	7.7	-19.1	4.4	-1.6	-4.1	9.4	-0.8	11.2
03 04	11.9	10.9	-4.8	13.7	12.9	-4.6	3.2	0.1	-3.2	5.9	-1.1	5.8
03 10	9.4	9.1	-2.1	15.0	14.8	-2.2	4.1	0.0	-4.1	5.0	-0.2	10.1
03 16	10.5	9.2	5.0	10.9	10.6	-2.6	4.5	0.7	-4.5	6.2	2.0	5.9
03 22	14.2	8.2	11.8	9.4	6.9	-6.4	4.6	2.0	-4.1	8.4	5.0	6.7
04 00	14.5	8.5	11.7	9.2	6.2	-6.8	4.9	3.3	-3.6	9.3	6.8	4.4
04 06	11.5	8.2	11.7	9.2	6.2	-6.8	4.9	3.3	-3.6	9.3	6.8	4.4
04 12	11.6	11.2	9.0	4.0	0.0	-8.9	8.7	1.5	-8.7	7.3	-0.3	7.3
04 18	24.3	8.0	23.0	6.2	4.7	-4.1	10.6	10.3	-2.2	2.1	-19.9	1.1
05 00	11.1	11.1	-1.0	8.4	8.3	1.5	13.9	12.3	-6.5	5.7	-4.3	1.4
05 06	21.0	15.2	-14.4	10.6	8.4	6.4	17.3	13.6	-10.6	6.6	-0.1	6.6
05 12	17.8	14.8	-10.0	19.4	5.9	19.5	19.2	-18.5	4.9	6.8	6.0	-3.0
05 18	12.3	11.5	4.5	26.7	27	2.6	15.9	15.9	-6.6	7.9	7.5	1.5
06 00	14.8	11.3	9.5	22.0	-3.1	21.0	10.1	9.3	4.2	7.2	4.6	-7.4
06 06	17.7	17.3	4.1	18.3	-4.9	17.7	9.1	6.9	6.0	13.3	1.8	13.2
06 12	19.7	19.7	1.3	18.3	-4.9	17.7	9.1	6.9	6.0	13.3	1.8	13.2
06 18	21.1	20.8	3.2	15.8	-7.6	13.8	10.1	8.8	4.8	9.0	-0.8	7.1
07 00	19.2	19.0	2.6	13.6	-9.6	9.7	19.9	19.9	4.4	14.6	-4.7	-6.7
07 06	17.8	17.4	-3.7	16.0	12.1	10.5	27.7	-27	20.7	11.6	7.6	7.8
07 12	16.2	15.6	-4.4	19.3	17.3	8.4	20.3	2.2	9.8	5.0	8.5	3.3
07 18	20.4	20.1	-3.2	19.8	18.1	8.6	13.9	-11	10.1	5.9	8.2	10.4
08 00	22.3	22.3	-0.6	17.1	16.6	4.1	8.0	6.1	5.6	5.9	3.4	12.1
08 06	21.4	21.3	-1.8	11.8	10.9	4.5	8.0	7.9	2.4	8.4	7.9	2.4
08 12	19.3	19.0	-3.3	8.4	7.0	4.6	8.4	7.9	2.4	8.4	7.9	2.4
08 18	20.5	18.8	-3.6	8.4	7.0	4.6	8.4	7.9	2.4	8.4	7.9	2.4
09 00	20.9	19.9	-3.6	8.4	7.0	4.6	8.4	7.9	2.4	8.4	7.9	2.4
09 06	21.9	21.0	-0.1	22.5	18.4	-13.1	5.8	1.3	11.6	6.5	9.6	5.5
09 12	17.7	17.5	3.1	4.3	-4.1	-2.0	16.4	-12.8	5.8	0.3	11.6	5.6
09 18	22.3	22.0	3.8	3.6	-3.2	-1.8	15.3	13.6	-12.4	11.6	4.4	1.4
10 00	22.0	20.5	-8.0	3.0	3.0	4.4	11.7	10.7	4.9	15.5	-3.7	1.0
10 06	24.4	23.2	-7.4	3.7	3.7	0.4	18.8	16.5	-9.0	16.2	4.3	3.7
10 12	23.0	20.4	-10.6	3.5	3.5	0.2	14.3	11.6	-8.4	14.5	-5.0	3.5
10 18	21.2	20.2	-10.6	5.2	5.1	4.1	11.1	11.4	0.4	6.7	6.8	0.8
10 24	19.0	18.7	-10.6	5.2	5.1	4.1	11.1	11.4	0.4	6.7	6.8	0.8
11 00	9.2	8.4	-3.7	10.1	9.9	-2.3	9.4	4.7	-0.2	14.3	6.6	-4.0
11 06	9.2	8.4	-3.7	10.1	9.9	-2.3	9.4	4.7	-0.2	14.3	6.6	-4.0
11 12	12.5	11.9	-3.8	12.6	-12.0	-4.1	17.9	-5.9	8.6	-1.3	9.0	-2.2
11 18	14.1	14.4	-5.4	13.1	-11.5	-6.3	13.1	-13.1	5.0	-3.6	6.5	-5.3
12 00	16.2	15.1	-5.8	15.9	-13.0	-9.1	9.7	-1.9	9.5	-11.6	10.5	-9.2
12 06	14.9	14.8	-2.0	16.6	-13.1	-10.1	6.7	3.3	12.2	-11.9	12.1	-10.3
12 12	13.2	13.0	0.6	16.7	-10.7	-10.9	6.9	4.7	8.1	-1.1	12.3	-10.1
12 18	12.2	13.4	-1.4	14.0	-9.5	-1.6	11.3	-11.3	6.0	-3.3	12.3	-10.1
12 24	14.3	13.4	-1.4	14.0	-9.5	-1.6	11.3	-11.3	6.0	-3.3	12.3	-10.1
13 00	14.9	14.3	-0.6	13.3	-11.3	-11.2	6.0	3.3	12.2	-12.2	12.3	-10.3
13 06	13.9	13.0	-0.6	13.3	-11.3	-11.2	6.0	3.3	12.2	-12.2	12.3	-10.3
13 12	16.5	15.4	5.9	7.1	-0.9	-7.0	11.0	1.0	11.2	6.9	-6.6	12.2
13 18	22.7	20.6	9.6	5.8	-1.9	-5.5	13.3	-1.9	6.0	-9.2	-2.2	12.2
13 24	23.3	23.2	1.8	4.5	-2.4	-3.8	9.8	7.5	6.4	-5.3	-0.7	12.2
14 00	25.5	25.7	-3.2	2.6	-2.5	-0.8	13.8	8.4	3.3	-0.5	-0.7	12.2
14 06	23.3	22.8	-5.1	7.0	-7.0	0.3	12.5	7.7	9.9	-2.5	-4.7	12.2
14 12	23.3	22.8	-5.1	7.0	-7.0	0.3	12.5	7.7	9.9	-2.5	-4.7	12.2
14 18	18.5	18.4	1.1	9.5	-1.5	-1.5	10.7	8.8	6.2	-0.8	-0.8	12.2
14 24	18.5	18.4	1.1	9.5	-1.5	-1.5	10.7	8.8	6.2	-0.8	-0.8	12.2
15 00	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
15 06	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
15 12	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
15 18	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
15 24	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
16 00	15.8	15.2	6.0	8.4	-6.0	-8.5	7.6	0.0	0.0	11.8	-0.8	7.6
16 06	15.8	15.2	6.0	8.4	-6.0	-8.5	7.6	0.0	0.0	11.8	-0.8	7.6
16 12	16.5	15.4	5.9	7.1	-0.9	-7.0	11.0	2.2	1.2	11.6	-5.6	9.6
16 18	16.5	15.4	5.9	7.1	-0.9	-7.0	11.0	2.2	1.2	11.6	-5.6	9.6
16 24	16.5	15.4	5.9	7.1	-0.9	-7.0	11.0	2.2	1.2	11.6	-5.6	9.6
17 00	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
17 06	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
17 12	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
17 18	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
17 24	17.0	17.3	9.2	7.4	-0.7	-2.6	9.3	4.9	4.9	-0.7	-2.6	12.2
18 00	15.3	15.1	2.5	10.1	9.4	4.4	8.3	14.4	1.4	5.8	-2.5	12.2
18 06	27.2	24.7	11.3	8.1	-12	-8.0	5.0	4.4	-0.6	10.4	-4.4	11.3
18 12	31.1	32.1	-7.9	5.3	7.6	2.4	14.6	-2.4	10.7	2.4	-1.8	12.2
18 18	37.4	35.8	-10.8	3.4	7.1	6.9	1.9	-16.2	1.2	15.7	-1.2	12.2
18 24	29.0	26.2	-12.5	2.7	2.3	14.6	-2.4	10.7	2.4	-1.8	12.2	12.2
19 00	29.1	25.1	-24.6	2.6	1.2	10.0	-10.0	-10.0	1.2	10.0	-10.0	12.2
19 06	25.1	23.2	-24.6	2.6	1.2	10.0	-10.0	-10.0	1.2	10.0	-10.0	12.2
19 12	25.2	23.2	-24.6	2.6	1.2	10.0	-10.0	-10.0	1.2	10.0	-10.0	12.2
19 18	25.2	23.2	-24.6	2.6	1.2	10.0	-10.0	-10.0	1.2	10.0	-10.0	12.2
19 24	25.2	23.2	-24.6	2.6	1.2	10.0	-10.0	-10.0	1.2	10.0	-10.0	12.2
20 00	23.0	21.9	-2.7	7.0	-4.1	5.7	0.0	-5.8	2.3	2.4	-0.5	12.2
20 06	27.6	21.4	-2.7	7.0	-4.1	5.7	0.0	-5.8	2.3	2.4	-0.5	12.2
20 12	22.5	22.0	-0.4	6.4	-5.0	5.6	5.4	-3.6	4.4	-2.4	-0.4	12.2
20 18	25.5	24.5	-8.3	8.9	6.5	6.2	1.2	28	5.6	1.2	-0.5	12.2
20 24	30.3	27.3	-12.2	10.7	5.2	9.3	-1.8	3.0	2.7	2.4	-0.5	12.2
21 00	31.3	29.9	-11.7	11.4	4.2	10.0	-1.1	3.7	2.8	2.4	-0.5	12.2
21 06	18.0	18.1	-3.2	10.8	-1.0	4.3	-0.3	1.6	2.6	2.4	-0.5	12.2
21 12	22.8	21.4	-7.8	8.0	-0.3	4.2	-0.3	1.6	2.6	2.4	-0.5	12.2
21 18	14.6	14.3	-5.0	15.7	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
21 24	14.3	14.1	-5.0	15.7	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
22 00	14.3	14.1	-5.0	15.7	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
22 06	20.3	19.0	7.2	8.8	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
22 12	21.9	21.4	-2.7	7.0	-4.1	5.7	0.0	-5.8	2.3	2.4	-0.5	12.2
22 18	21.4	21.0	-2.7	7.0	-4.1	5.7	0.0	-5.8	2.3	2.4	-0.5	12.2
22 24	21.4	21.0	-2.7	7.0	-4.1	5.7	0.0	-5.8	2.3	2.4	-0.5	12.2
23 00	14.3	14.1	-5.0	15.7	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
23 06	20.3	19.0	7.2	8.8	-0.3	12.9	-0.3	1.6	2.6	2.4	-0.5	12.2
23 12	21.9	21.4	-2.7									

Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v							
01 00	29.8	29.5	-4.3	11.1	-1.2	11.0	15.0	14.8	-2.7	9.3	5.4	-7.7	7.1	-5.7	4.1	4.8	-2.5	4.1	8.1	8.1	0.2	6.9	-1.5	6.7	14.4	14.4	-1.4	10.1	1.7	10.0	5.4	5.4	-0.2	11.8	-4.2	11.0							
01 06	29.9	29.3	-5.9	12.2	-0.9	10.2	14.9	14.9	-0.1	13.5	11.9	-6.3	10.9	-8.0	7.3	4.4	-2.9	3.4	8.5	-2.3	9.8	-3.0	9.3	15.8	15.6	-2.8	8.3	4.5	7.0	4.9	4.8	-1.5	13.4	-2.9	13.1								
01 12	34.9	33.9	-1.4	10.9	-0.3	10.2	12.4	12.1	-2.4	9.2	7.0	-6.0	13.1	-7.4	10.8	3.9	-3.9	4.2	9.7	-0.9	7.6	-5.7	6.1	10.8	8.7	-4.8	13.1	1.8	13.0	4.6	4.6	-0.6	14.9	-2.1	14.6								
01 18	25.3	23.9	-8.2	-0.3	8.2	12.4	12.1	-2.4	9.2	7.0	-6.0	13.1	-7.4	10.8	3.9	-3.9	4.2	9.7	-0.9	7.6	-5.7	6.1	10.8	8.7	-4.8	13.1	1.8	13.0	4.6	4.6	-0.6	14.9	-2.1	14.6									
02 06	22.9	22.2	-5.5	12.2	-3.7	12.4	1.9	0.8	1.7	5.2	-1.8	-4.9	11.3	-4.5	10.3	0.6	0.0	0.6	6.7	6.7	0.0	6.4	-4.8	4.2	11.4	9.2	-6.7	15.9	0.9	15.9	5.7	4.4	-3.7	15.0	0.2	15.0							
02 12	29.9	27.6	-11.6	13.0	-4.1	12.3	9.5	-4.7	8.3	7.9	-7.9	-0.6	14.5	-5.6	13.4	2.2	-1.5	1.5	3.1	2.6	-1.6	4.0	-3.8	1.1	8.7	8.2	-2.9	15.4	1.0	15.4	5.4	3.4	-4.2	13.2	1.1	13.1							
03 00	21.5	17.5	12.6	11.7	0.7	11.7	15.8	-8.6	13.3	11.9	-11.5	2.9	9.1	-1.3	9.0	3.4	-0.3	3.4	3.2	1.4	-2.9	0.7	0.4	-0.5	11.5	8.6	7.6	6.3	-0.8	6.2	8.4	2.8	7.9	9.2	1.8	9.0							
03 06	25.7	18.9	17.4	13.8	4.0	13.2	12.2	-10.2	6.8	15.3	-12.3	9.0	10.6	-0.3	10.6	1.7	-1.7	0.0	2.3	1.3	-1.9	2.2	2.0	1.1	16.4	14.4	7.8	4.0	-3.0	2.6	9.7	2.3	9.4	8.1	2.7	7.6							
03 12	28.7	27.2	7.1	16.2	0.2	15.0	7.3	-6.8	23.2	19.2	-8.1	11.0	6.5	-5.4	1.9	3.3	-0.2	3.2	2.4	1.5	2.0	17.7	15.5	8.4	2.4	2.1	1.7	11.0	2.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
03 18	23.0	20.0	-0.9	0.6	0.2	12.5	3.9	-2.5	12.8	12.6	-0.9	12.4	3.6	-0.9	12.5	-0.5	0.4	1.4	0.4	-0.4	1.4	-0.4	0.3	1.0	0.5	-0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5					
04 00	25.3	24.9	4.9	20.2	2.7	20.1	6.6	-1.5	-6.5	8.9	-8.4	2.8	1.9	0.6	1.8	9.2	-7.1	5.8	5.3	0.4	-5.3	5.3	0.7	5.3	19.8	18.8	-1.0	4.5	4.0	2.2	7.4	5.1	5.3	5.0	2.1	4.5							
04 06	27.9	26.5	8.6	15.0	1.4	14.9	7.6	-1.4	-7.5	8.5	-8.9	3.0	0.7	0.4	-0.5	12.6	-8.1	9.6	4.6	2.7	-3.8	7.0	0.5	7.0	18.9	18.8	-1.5	3.6	6.1	5.3	3.1	6.2	2.0	5.9									
04 12	22.0	21.0	6.5	9.3	2.3	8.8	6.7	-1.1	-6.6	10.2	-9.4	4.0	2.8	0.1	-2.8	14.9	-10.7	10.3	4.3	1.8	-3.9	7.4	-0.9	7.3	12.4	10.4	6.7	3.6	-2.6	2.7	6.8	6.0	3.2	6.9	3.2	6.1							
04 18	17.0	16.0	-5.9	4.5	4.6	1.7	8.4	6.3	-0.3	10.7	-9.2	5.5	2.9	-2.4	-1.6	14.1	-10.9	9.0	4.8	1.2	-4.7	6.1	-1.9	5.8	13.8	12.5	6.5	12.2	-3.9	4.9	7.6	5.2	5.4	5.7	3.5	4.5							
05 00	13.5	13.1	-10.4	8.7	5.7	7.2	4.0	-6.0	9.4	-7.0	6.3	2.8	-0.4	-2.5	14.1	-10.9	9.0	5.3	1.8	-3.9	7.4	-0.9	7.3	12.4	10.4	6.7	3.6	-2.6	2.7	6.8	6.0	3.2	6.9	3.2	6.1								
05 06	12.4	10.6	-6.4	17.0	11.5	13.7	9.4	-6.6	-6.6	15.3	-12.3	9.0	10.6	-0.3	10.6	1.7	-1.7	0.0	2.3	1.3	-1.9	2.2	2.0	1.1	16.4	14.4	7.8	4.0	-3.0	2.6	9.7	2.3	9.4	8.1	2.7	7.6							
05 12	12.3	11.6	-8.8	18.2	1.0	15.0	11.3	10.8	-3.6	13.3	-10.3	7.8	5.3	-4.3	-3.1	13.3	-10.8	10.0	5.3	1.8	-3.9	7.4	-0.9	7.3	12.4	10.4	6.7	3.6	-2.6	2.7	6.8	6.0	3.2	6.9	3.2	6.1							
05 18	12.4	12.3	-1.3	11.2	-1.6	11.6	1.2	-0.8	-0.8	6.5	-6.4	4.2	1.7	-0.2	-0.2	9.1	-4.8	5.0	1.9	2.3	-0.6	3.3	5.5	-0.2	13.2	11.6	6.6	12.2	-3.9	4.9	7.6	5.2	5.4	5.7	3.5	4.5							
05 24	12.3	12.0	-7.3	17.7	1.0	15.0	11.3	-1.6	-1.6	12.5	-10.3	7.8	5.3	-4.3	-3.1	13.3	-10.8	10.0	5.3	1.8	-3.9	7.4	-0.9	7.3	12.4	10.4	6.7	3.6	-2.6	2.7	6.8	6.0	3.2	6.9	3.2	6.1							
06 00	20.7	19.3	7.5	12.9	11.3	12.5	6.2	-8.8	4.8	-7.3	4.0	-2.0	3.9	6.7	-0.0	6.4	6.8	-3.1	6.1	5.4	-2.6	4.7	4.0	3.6	18.2	18.1	-8.1	2.2	-0.2	2.2	7.7	6.2	12.2	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7
06 12	18.6	13.6	1.3	21.5	11.9	17.8	15.0	13.1	-1.3	5.3	-5.0	1.8	4.2	1.4	-0.0	7.0	-4.3	5.6	5.0	1.9	-4.6	2.9	-2.8	0.9	-8.2	6.9	-4.5	6.4	5.0	3.9	3.5	2.3	5.0	5.6	1.6	4.6	4.6	4.6					
06 18	16.5	13.0	-3.0	25.8	10.3	23.6	21.3	19.4	-8.8	7.0	-7.0	9.3	3.1	1.3	-2.8	7.2	-3.3	6.4	6.6	4.2	-0.6	9.4	-0.9	5.4	11.9	3.9	11.3	7.4	-0.5	7.4	8.3	5.7	6.0										
07 00	16.9	16.0	0.9	18.9	15.5	10.8	13.8	12.7	-5.4	7.5	-6.1	4.4	3.5	1.2	-3.3	6.8	0.5	6.6	3.6	1.1	-3.6	6.0	-1.6	6.3	1.6	1.2	-0.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3					
07 06	15.5	13.2	1.3	13.0	11.1	10.2	6.1	11.1	-7.7	6.1	-6.1	4.0	4.6	1.1	-0.1	1.0	1.6	1.3	0.9	4.6	-0.7	3.8	3.2	1.1	1.6	1.2	-0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3					
07 12	18.5	13.0	1.1	13.1	11.0	10.2	6.1	11.1	-7.7	6.1	-6.1	4.0	4.6	1.1	-0.1	1.0	1.6	1.3	0.9	4.6	-0.7	3.8	3.2	1.1	1.6	1.2	-0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3					
07 18	21.8	12.5	15.7	15.3	8.3	8.4	1.5	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
08 06	17.5	15.2	8.6	11.3	8.2	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
08 12	18.6	15.2	8.6	11.3	8.2	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
08 18	15.5	12.9	8.6	11.3	8.2	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
08 24	20.5	27.6	12.8	12.6	8.6	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
09 00	20.5	27.6	12.8	12.6	8.6	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
09 06	20.8	27.6	12.8	12.6	8.6	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
09 12	20.5	27.6	12.8	12.6	8.6	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7	3.7	1.2	-7.7	-0.5	5.3	1.1	12.7	12.7	-1.4	2.2	2.2	0.3	2.2	2.2	17.0	16.0	5.7									
09 18	20.5	27.6	12.8	12.6	8.6	8.8	0.7	-8.7	4.5	1.1	-1.1	0.9	6.6	-3.4	-3.7	3.9	-0.7																										

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v	
01 00	8.2 4.4 6.9	21.0 21.0 1.1	6.1 0.4 6.1	8.7 8.0 -3.5	7.1 2.7 -6.6	13.5 -7.0 -11.5	8.5 8.5 0.5	10.1 9.5 -3.4	8.7 4.1 7.6	10.7 10.4 2.3	7.2 7.2 -0.7	11.5 6.7 -9.3	
01 08	6.9 12.6 6.8	24.3 23.1 -7.1	5.8 1.1 5.8	9.7 -1.0 -3.6	13.4 -6.5 -11.7	9.0 8.9 -1.4	11.8 11.4 -3.3	9.0 4.4 7.8	13.1 13.0 -1.1	6.9 5.9 1.0	7.2 2.2 -6.6	12.4 2.0 -2.6	
01 12	5.5 3.4 3.7	16.9 16.9 15.7	4.6 4.5 1.2	4.3 10.7 8.3	6.7 -3.7 5.5	13.5 -12.9 -11.1	8.9 -10.0 6.4	4.5 -4.5 9.6	8.5 -4.3 11.0	9.6 5.4	11.2 11.1 -0.2	16.8 12.3 11.4 16.4 -0.6	
02 06	6.6 2.1 -6.2	8.3 6.4 -6.1	6.4 0.3 6.4	6.4 11.7 8.5	8.1 9.8 3.2	9.2 13.4 -8.9	10.0 6.4 -1.1	11.0 1.1 -2.1	7.8 6.8 3.9	17.4 17.2 -3.0	10.0 8.6 5.0	6.0 3.0 6.0	
02 18	6.8 0.0 -6.8	1.5 0.9 1.2	9.9 -2.3 9.6	12.8 12.8 0.3	4.5 0.5 4.5	5.9 -1.8 -5.6	5.0 5.0 5.0	11.4 11.4 -0.1	7.8 7.5 1.3	15.9 15.9 0.6	0.7 1.7 0.0	1.8 5.7	
02 12	6.3 1.5 -6.1	3.8 3.5 -1.6	9.5 -1.5 9.4	12.7 10.3 7.5	7.7 3.0 7.1	11.6 -6.2 -9.8	5.3 2.9 -4.4	7.9 6.8 -4.0	12.3 11.9 3.0	8.4 8.3 1.1	19.0 16.3 9.8	7.0 1.2 6.9	
03 00	8.2 3.2 -7.6	18.2 -4.8 -17.5	7.6 -0.8 7.5	19.3 18.5 -5.8	2.4 -0.2 2.4	4.8 -3.3 -3.5	4.8 0.7 -4.7	9.5 8.2 3.4	9.5 9.5 1.2	9.0 9.0 -0.9	19.0 18.0 5.9	4.2 0.8 4.1	
03 06	7.3 2.6 -6.8	20.9 -1.2 -20.9	2.7 0.3 27.3	14.2 11.9 -7.7	1.1 -0.7 0.8	3.9 -0.8 -3.8	3.9 0.8 -3.8	12.2 10.2 6.8	10.7 10.4 9.7	9.9 9.0 0.7	18.9 18.7 -2.8	9.3 1.9 9.6	
03 12	5.7 -1.9 -5.4	18.1 18.1 1.8	1.8 1.4 8.2	8.2 5.1 6.3	3.0 -2.7 -1.1	4.0 -0.4 -0.4	3.9 -0.4 -0.4	16.4 16.4 9.1	16.4 16.4 -0.4	16.4 16.4 0.6	1.6 2.0 10.7	8.1	
03 18	5.3 2.2 -2.7	17.4 17.4 0.4	0.4 3.0 1.6	5.2 1.4 0.9	1.9 -0.7 0.7	4.7 -0.5 2.9	1.9 -0.5 2.9	16.5 16.5 5.6	16.5 16.5 -0.5	16.5 16.5 5.6	0.7 0.7 0.9	0.9 0.9 0.9	
04 00	8.7 7.7 4.0	15.8 1.8 -15.8	4.1 -2.3 4.4	9.8 7.8 6.0	4.9 -2.3 -2.3	2.6 1.3 -2.3	2.7 0.4 -2.6	9.8 9.8 0.2	11.6 10.6 4.6	10.7 6.9 8.2	14.1 14.0 -1.7	21.3 21.2 -1.5	
04 06	9.9 8.5 -5.2	14.8 -0.1 -14.8	5.7 -3.4 4.6	14.0 11.2 8.4	3.0 2.5 -1.6	3.9 0.9 3.8	2.3 1.1 -6.7	6.7 6.7 -0.5	10.7 10.7 0.4	10.8 9.8 4.6	15.1 15.0 -1.2	25.4 25.4 2.1	25.1 3.9
04 12	11.7 -11.0 3.8	9.8 0.7 -9.7	6.2 -3.8 4.9	13.5 12.5 5.5	7.0 6.2 3.3	5.0 3.5 3.6	2.1 4.0 -2.8	4.7 4.7 0.8	10.6 10.5 1.7	10.8 8.0 5.9	11.6 11.0 3.5	24.5 23.8 6.0	
04 18	11.8 -11.8 -0.6	1.7 1.1 -1.3	8.0 -8.3 4.3	6.7 10.1 9.9	2.3 9.3 5.7	7.4 5.2 4.2	3.0 0.5 -0.5	0.2 0.2 5.6	5.6 5.6 12.4	12.1 -2.7 8.3	6.0 5.7 11.4	8.3 7.9 20.7	20.1 4.7
05 00	10.1 -10.0 -0.6	7.6 0.4 -7.5	7.5 2.2 0.2	0.4 10.0 5.9	8.9 7.1 6.0	7.8 4.2 0.3	-0.2 0.2 0.8	7.8 6.3 3.7	14.3 13.2 5.6	8.7 7.3 4.7	15.2 7.5 13.2	14.5 14.3 -2.2	
05 06	9.5 -9.3 -1.8	9.4 -1.4 9.3	9.5 -3.0 8.7	7.7 7.7 -3.6	6.8 7.6 4.5	6.1 8.1 8.1	1.7 0.8 1.7	2.7 2.7 0.1	20.9 13.1 2.3	4.3 5.5 2.0	20.2 8.4 10.8	10.6 2.3	
05 12	7.4 -6.7 -3.1	10.3 2.2 1.0	1.0 7.1 2.0	6.7 11.6 -7.6	8.8 7.1 10.1	5.7 8.4 2.7	-2.7 2.7 0.1	20.1 21.1 5.4	19.4 19.5 9.0	9.0 2.9 3.1	22.4 8.5 20.7	8.8 6.3	
05 18	6.0 -2.6 -2.7	9.7 1.8 -9.6	5.6 -2.3 5.0	12.3 12.3 0.4	1.0 1.0 0.4	1.0 1.0 0.4	1.0 1.0 0.4	16.0 16.0 0.8	16.0 16.0 0.8	15.5 15.5 0.8	26.7 26.7 1.0	1.0 1.0	
05 24	6.3 -2.5 -2.7	9.7 1.8 -9.6	5.6 -2.3 5.0	12.3 12.3 0.4	1.0 1.0 0.4	1.0 1.0 0.4	1.0 1.0 0.4	16.0 16.0 0.8	16.0 16.0 0.8	15.5 15.5 0.8	26.7 26.7 1.0	1.0 1.0	
06 06	6.1 -5.7 -2.4	6.7 4.7 -6.7	4.7 5.7 -4.8	32.16.9 -31.1 8.9	8.0 10.4 -8.1	6.6 8.2 8.8	2.1 -3.3 -1.6	10.3 10.0 2.7	16.2 12.0 2.8	10.8 3.2 -2.9	14.8 14.2 4.5	21.5 12.0 17.8	
06 12	8.0 -0.3 -0.7	7.3 -3.5 6.4	6.0 -5.0 -3.2	15.6 -15.5 6.5	6.5 6.5 0.4	3.8 -0.9 -3.7	5.0 4.9 0.9	0.9 0.9 0.9	20.0 18.2 8.1	3.7 -3.3 -1.8	20.2 18.4 8.5	26.3 20.5 16.5	
06 18	2.1 -1.5 6.8 -6.2	2.8 5.9 -5.1	2.9 -13.8 12.4	6.0 -16.2 -14.2	7.7 3.9 0.1	2.1 2.1 -0.2	1.1 -0.2 1.1	19.1 18.4 5.4	18.4 18.2 5.2	3.5 -0.5 -0.1	24.3 24.2 2.2	22.6 26.5 4.6	
07 00	1.0 0.1 0.1	7.6 -7.4 1.9	1.1 -5.1 4.8	1.5 9.1 -8.4	3.6 15.0 -12.9	7.6 2.8 2.7	-0.7 4.0 4.0	4.1 -3.9 4.9	2.4 -2.4 3.3	17.0 3.6 1.4	-1.3 -0.3 2.4	24.6 22.6 18.0	
07 06	2.0 -1.8 0.8	5.1 -4.3 -2.8	4.3 -3.7 3.2	2.3 3.0 -1.4	1.6 16.1 -14.3	7.4 2.6 0.8	4.8 4.8 0.9	-0.7 4.7 4.8	6.6 6.6 1.1	14.3 13.2 5.6	3.7 3.7 1.0	21.5 21.1 3.0	
07 12	3.1 -3.1 3.1	3.3 -3.5 0.1	-0.1 2.1 -2.7	1.2 -2.4 2.4	2.1 1.9 0.8	16.9 -16.1 5.1	7.3 2.6 6.8	7.9 3.2 -7.2	8.9 -5.0 -7.3	16.0 15.8 2.4	2.7 2.8 3.8	23.3 18.4 12.1	
07 18	4.8 -4.2 2.3	7.1 -3.4 1.1	7.6 8.5 -4.1	7.5 2.2 0.4	10.0 14.1 -12.4	7.4 2.6 0.8	4.1 -2.7 4.1	14.3 13.2 5.6	10.5 10.5 2.0	11.1 11.1 0.1	13.3 11.9 4.7	2.7 3.8	
08 00	8.0 0.8 0.8	8.8 -3.3 -8.1	1.1 -0.3 1.1	8.1 0.3 1.1	15.1 -14.1 -14.4	7.2 2.6 0.8	3.1 6.0 12.3	8.0 8.9 -11.6	11.6 11.6 0.1	11.6 11.6 0.1	12.0 11.9 1.1	2.7 3.3	
08 06	1.0 0.0 0.0	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	
08 12	3.6 3.4 -1.0	4.8 4.4 -3.5	4.5 3.8 0.5	3.4 11.6 1.8	1.4 11.0 8.4	8.0 6.0 10.0	3.0 0.6 0.6	8.6 8.4 -1.6	13.3 12.6 1.1	11.1 11.7 -1.1	12.7 12.4 1.2	9.2 9.5 -2.6	
08 18	8.5 8.4 -0.7	1.0 -0.8 0.0	-0.7 4.0 4.0	7.0 7.0 3.4	6.1 13.1 -10.9	7.2 6.3 6.0	6.0 6.0 2.0	5.8 5.8 1.8	10.3 10.0 2.5	17.6 16.6 -1.0	7.0 8.4 5.1	5.5 4.5 0.6	
09 00	10.6 9.7 -4.2	2.0 -2.7 -1.1	3.1 3.2 1.3	2.9 19.9 6.7	6.5 10.0 6.0	10.2 12.6 6.0	5.0 3.5 11.2	11.2 11.2 -0.2	11.2 11.2 11.1	11.2 11.1 0.9	13.3 5.9 11.9	4.7 2.7 3.8	
09 06	12.8 11.9 -4.7	3.7 -3.7 3.1	0.1 3.7 3.0	3.7 9.2 4.2	8.2 13.7 -5.3	12.6 11.1 11.1	3.1 3.1 3.1	6.1 3.9 -4.6	9.2 4.1 -4.1	8.2 11.9 8.9	7.9 -7.9 10.1	9.9 9.1 2.1	
09 12	10.8 9.8 -4.5	6.5 -6.5 0.5	0.5 -3.7 -3.4	10.1 1.2 10.0	14.2 -6.6 6.6	9.0 9.0 0.0	5.8 5.8 4.7	10.2 10.2 6.0	7.4 1.3 -6.9	12.4 13.3 5.3	7.1 3.3 6.2		
09 18	10.3 8.9 -5.2	8.6 8.7 -8.9	1.1 3.3 -2.5	2.9 6.4 -6.0	10.0 9.7 -3.5	9.4 9.4 0.1	6.1 5.6 -2.5	6.5 6.5 4.4	6.4 5.5 2.2	12.1 11.5 6.6	20.9 17.2 12.0		
09 24	12.0 12.0 -4.4	12.1 11.9 -1.1	2.1 2.2 -0.2	2.2 5.1 -5.1	8.4 8.7 -8.3	12.0 11.6 11.6	2.2 2.2 2.2	4.7 4.7 4.7	11.1 11.1 1.1	11.1 11.1 1.1	11.1 11.1 1.1	1.1 1.1 1.1	
10 00	14.1 12.1 -7.2	11.3 11.3 -1.1	1.1 1.6 0.7	8.4 8.6 -8.2	8.6 8.8 -8.2	10.4 10.4 1.1	4.1 4.1 4.1	10.4 10.4 1.1	10.4 10.4 1.1	10.4 10.4 1.1	10.4 10.4 1.1	1.1 1.1 1.1	
10 06	10.6 7.5 -7.5	8.7 8.7 -8.7	4.0 4.7 -4.7	4.7 4.7 4.7	0.6 6.6 8.4	8.7 4.5 7.6	5.1 5.1 4.6	8.4 8.4 7.7	8.1 7.6 7.6	13.6 13.0 13.0	13.8 15.0 9.4		
10 12	8.5 4.2 -7.4	6.4 -6.1 1.8	1.8 6.3 5.0	2.0 4.7 2.4	8.2 1.0 2.7	13.7 12.7 12.7	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
10 18	9.6 7.5 -7.5	8.7 8.7 -8.7	4.0 4.7 -4.7	4.7 4.7 4.7	0.6 6.6 8.4	8.7 4.5 7.6	5.1 5.1 4.6	8.4 8.4 7.7	8.1 7.6 7.6	13.6 13.0 13.0	13.8 15.0 9.4		
10 24	8.5 4.2 -7.4	6.4 -6.1 1.8	1.8 6.3 5.0	2.0 4.7 2.4	8.2 1.0 2.7	13.7 12.7 12.7	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
11 00	4.7 -3.1 -3.1	13.9 12.1 -6.8	11.5 10.8 -3.9	9.7 7.7 -3.3	6.0 12.2 -12.7	12.5 0.2 0.2	4.5 4.5 4.5	4.4 0.8 1.0	1.0 0.6 0.7	1.7 0.6 0.6	1.6 1.6 0.6	6.4 6.1 2.0	
11 06	2.9 -2.2 -2.2	13.1 11.3 -6.8	6.1 5.9 -3.2	10.2 10.1 -3.9	1.8 1.7 1.7	11.7 -1.4 1.7	4.5 4.5 4.5	4.4 0.8 1.0	1.0 0.6 0.7	1.7 0.6 0.6	1.6 1.6 0.6	6.4 6.1 2.0	
11 12	5.9 -2.0 -10.3	5.2 -2.8 -2.8	5.1 -2.6 -2.6	1.1 1.1 1.1	1.1 1.1 1.1	7.4 -3.5 -3.5	8.1 8.1 8.1	4.4 4.4 4.4	1.0 0.9 0.9	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
11 18	2.9 -2.2 -1.9	2.5 -1.9 1.9	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	1.5 1.4 1.4	
11 24	6.2 -5.2 3.4	3.2 -3.2 5.6	5.3 -5.3 5.6	3.1 3.1 3.1	2.4 2.4 2.4	1.5 1.5 1.5	2.1 2.1 2.1	2.1 2.1 2.1	2.1 2.1 2.1	2.1 2.1 2.1	2.1 2.1 2.1	2.1 2.1 2.1	
12 00	4.7 -5.3 -5.3	3.1 -3.1 3.1	3.2 -3.2 3.0	3.0 -3.0 3.0	4.0 4.0 3.7	2.9 2.9 2.9	3.0 3.0 3.0	3.0 3.0 3.0	3.0 3.0 3.0	3.0 3.0 3.0	3.0 3.0 3.0	3.0 3.0 3.0	
12 06	20.8 32.0 3.2	5.8 -2.5 -2.5	5.2 -2.0 1.9	2.9 2.9 0.1	0.1 0.1 0.1	4.4 2.4 2.4	0.2 0.2 0.2	12.7 12.0 4.0	10.5 10.4 4.0	4.0 4.0 4.0	1.1 1.1 1.1	6.8 6.5 5.5	
12 12	17.7 6.0 16.7	5.5 -2.1 5.5	5.0 -1.8 5.1	7.8 7.5 3.6	3.7 3.7 1.1	6.7 5.2 3.2	2.2 2.2 0.3	16.7 16.5 1.1	14.5 14.3 0.9	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
12 18	16.8 8.9 14.3	4.7 -1.1 4.7	4.5 -1.4 4.9	1.1 1.1 1.1	1.1 1.1 1.1	2.7 1.1 1.1	0.3 0.3 0.3	12.5 12.2 1.1	11.1 11.1 0.9	1.1 1.1 1.1	1.1 1.1 1.1	1.1 1.1 1.1	
12 24	13.4 13.0 3.0	3.6 3.6 3.6	1.6 1.6 1.6	1.6 1.6 1.6	1.6 1.6 1.6</td								

Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v
01 00	10.0	9.8	2.2	14.6	-11.4	9.1	8.7	6.8	-5.5	9.0	9.0	0.0	8.2	1.4	-8.1	1.9	-0.2	-1.9	4.0	0.8	-3.9	8.6	-1.4	8.5	11.7	10.4	-5.5	13.5	11.8	-6.5	14.3	14.2	1.2	17.0	16.7	-3.6
01 08	7.1	8.7	2.2	18.1	-12.6	13.0	8.4	4.0	-0.8	0.3	8.4	-4.7	-7.4	2.0	2.1	-0.3	3.3	1.3	-2.7	4.1	0.5	4.0	12.4	11.4	-5.0	11.7	9.0	-7.6	13.8	13.7	-5.1	15.2	14.6	-4.1		
01 12	7.0	5.5	4.4	18.9	-13.2	13.6	8.0	7.6	-2.5	13.2	12.9	-1.7	2.4	-2.9	-1.7	2.3	-1.2	1.9	1.0	4.1	2.4	-3.3	6.3	3.4	-5.3	16.7	16.7	-0.1	10.3	10.2	-1.2	12.1	12.0	-0.8		
02 00	9.6	-1.0	9.5	18.9	-14.1	12.6	4.3	3.8	-1.9	12.2	11.0	5.2	3.1	1.6	-2.6	0.7	-0.1	-0.7	4.8	4.6	-1.2	5.4	3.7	-4.0	17.1	17.0	1.5	10.8	10.6	2.0	14.0	13.9	23.1	23.1	0.7	
02 12	12.6	-2.8	12.3	20.1	-14.4	14.0	0.2	-0.1	0.1	13.7	13.7	-0.6	1.9	1.0	-1.7	1.4	-1.2	-0.8	6.6	6.3	-2.0	3.1	2.6	-1.6	15.5	14.9	4.2	12.2	11.4	3.6	0.9	-0.7	-0.6	33.6	32.6	-8.0
02 18	14.4	-3.9	13.8	21.4	-15.4	14.9	3.9	-0.8	-3.8	16.7	16.7	0.1	1.9	-1.8	-0.5	4.2	-3.5	-2.4	5.5	5.5	-0.8	4.6	1.0	4.4	16.2	14.6	7.1	14.0	13.3	-4.4	14.9	-1.9	-14.8	23.9	17.3	-16.4
03 00	13.9	2.1	13.7	14.4	-12.0	8.1	9.2	5.5	-7.3	12.4	12.4	-1.1	2.6	-1.5	2.1	5.6	5.5	0.6	7.9	7.4	-2.8	5.3	1.7	5.0	16.3	16.2	-2.1	19.2	15.9	-10.7	13.3	5.5	-12.2	12.0	12.1	3.5
03 06	13.5	4.4	12.7	13.1	-10.7	7.8	9.2	7.4	-6.5	6.6	6.4	-1.5	3.9	-1.4	3.7	6.6	5.7	3.3	4.8	4.6	-1.3	4.5	2.9	3.4	17.8	17.7	-1.6	14.0	14.0	-11.7	12.5	5.2	-11.3	12.9	12.4	3.6
03 12	13.6	6.6	12.1	13.0	-10.3	5.0	8.8	7.5	-4.2	2.1	-0.4	2.1	6.0	-3.3	5.0	7.3	4.0	6.1	1.0	-0.6	2.7	1.3	2.0	14.3	14.2	1.1	14.8	13.6	-6.5	8.2	4.6	-24.4	24.4	4.3		
03 18	11.6	4.1	9.4	10.5	-9.5	3.5	7.1	6.9	-1.3	1.9	1.9	-0.6	2.1	-0.3	2.4	2.5	2.5	2.4	3.4	3.4	-0.5	3.5	1.6	3.0	16.5	16.5	-0.5	14.9	14.9	-2.1	17.2	17.2	-1.1			
04 00	9.7	8.7	4.4	5.5	-5.4	6.6	6.2	-2.3	7.9	-5.2	-6.0	8.4	-5.0	6.8	15.0	4.3	14.4	5.5	3.3	4.4	7.9	-0.9	7.8	0.8	-0.1	9.8	17.1	8.4	-14.9	8.1	7.8	2.3	27.2	26.9	-4.4	
04 06	8.0	7.6	2.3	3.7	-3.1	-2.1	4.7	4.4	-1.8	10.2	-5.1	-8.9	8.3	-3.2	7.7	19.5	5.8	5.4	4.7	3.7	11.5	0.2	11.5	8.3	3.2	-7.6	15.3	10.3	-11.3	12.3	11.6	4.0	25.6	25.3	-4.3	
04 12	6.1	5.9	-1.3	4.2	2.0	-3.7	6.9	6.3	2.1	-2.3	6.7	11.5	-6.4	9.5	16.5	5.4	5.3	0.8	12.8	-2.6	12.5	11.5	7.4	-8.7	13.7	10.6	-8.7	15.5	15.4	-0.8	24.0	23.4	-5.4			
04 18	8.0	7.3	-3.1	1.2	0.5	1.1	11.9	9.7	6.9	2.9	-0.2	2.9	10.0	-4.8	8.8	9.0	-1.1	9.0	7.0	6.4	-2.7	11.3	-1.0	11.2	11.5	8.2	-8.0	18.3	17.1	-6.5	22.6	21.9	-5.6			
05 00	10.5	-1.3	1.3	7.1	-3.0	6.4	18.9	14.0	12.7	2.1	-0.4	2.0	9.5	-0.8	8.3	14.0	5.0	4.4	5.0	1.4	12.7	-1.2	12.5	12.5	1.1	-0.9	6.6	-6.6	13.6	13.5	-0.1	19.9	19.7	-5.7		
05 06	11.1	10.9	1.6	12.7	-7.9	9.9	15.7	13.8	7.3	2.3	-2.1	-1.0	10.8	-5.4	9.4	5.6	-4.7	-3.1	6.3	6.2	0.6	3.1	-1.0	11.6	10.6	-4.7	4.0	0.6	-3.9	9.7	7.8	-5.8	15.3	15.3	0.4	
05 12	9.9	8.5	5.2	7.3	-1.9	1.9	14.3	12.7	8.6	5.1	-5.1	0.4	11.1	-6.3	9.1	10.6	-10.1	-3.2	8.2	5.0	1.3	12.7	-1.2	12.5	12.5	1.1	-0.9	6.6	-6.6	13.6	13.5	-0.1	18.7	18.4	-3.3	
05 18	7.4	5.5	5.0	4.8	-4.2	-3.1	18.5	18.4	23.1	8.5	-0.1	0.6	13.0	-1.2	12.2	12.2	1.1	8.3	6.4	4.5	11.6	8.4	-8.3	16.4	16.1	-3.3	1.2	0.9	13.0	10.8	7.3	25.1	24.9	-0.7		
05 24	6.0	4.0	3.0	4.0	-3.0	7.3	12.9	12.8	12.0	1.2	-0.2	0.1	10.8	-1.0	10.8	10.8	1.1	8.3	6.4	4.5	11.6	8.4	-8.3	12.7	12.5	-0.2	13.0	12.9	-2.1	19.0	18.9	-0.9				
06 00	10.2	-1.1	10.1	8.3	-6.2	-5.6	12.6	11.7	11.3	1.1	-1.5	-0.3	2.1	-2.5	25.1	4.3	24.8	8.7	4.7	7.3	11.2	8.9	-6.8	13.2	13.2	-1.4	9.9	9.9	-0.1	22.6	23.3	-2.3				
06 06	7.6	-0.6	7.6	8.5	-8.3	-2.0	10.5	9.6	4.4	11.4	-1.12	1.2	1.8	9.2	-4.3	8.1	19.2	8.8	8.6	3.5	7.9	7.1	5.3	-3.1	12.8	12.7	0.9	10.8	5.3	9.4	30.8	22.8	-20.7	21.9	21.0	-6.0
06 12	7.1	-0.3	7.1	7.1	10.5	-2.2	23.8	6.8	6.1	2.8	-10.1	-0.1	1.6	10.1	-5.1	10.1	-0.4	10.1	7.6	-0.8	3.7	3.6	-0.8	12.3	12.2	1.6	8.3	8.2	1.1	27.5	17.8	-20.9	19.3	17.9	-7.2	
06 18	6.4	0.0	6.4	6.4	7.2	-6.6	2.6	2.8	-1.2	11.5	-1.12	1.2	1.1	9.1	0.6	9.2	2.0	1.1	8.4	2.1	8.1	5.8	3.0	-3.1	11.2	11.1	-0.5	13.1	10.5	9.0	6.4	-6.4	-0.6			
07 00	4.3	-2.3	3.6	6.7	-6.2	-2.6	2.8	-0.2	11.5	-1.12	1.2	1.1	11.5	-2.1	11.5	-0.1	11.5	1.2	2.7	1.1	11.5	-2.1	11.5	1.2	1.1	11.5	11.5	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
07 12	2.9	-2.8	7.3	7.1	-6.7	-2.5	3.8	-3.0	13.0	-12.8	12.3	-3.0	11.8	-2.1	11.8	-0.1	11.8	1.2	2.7	1.1	11.8	-2.1	11.8	1.2	1.1	11.8	11.8	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
07 18	6.2	4.3	-4.4	8.1	-8.1	1.7	1.1	5.1	-15.4	15.4	1.7	1.1	15.4	-2.1	15.4	-0.1	15.4	1.2	2.7	0.7	15.4	-2.1	15.4	1.2	1.1	15.4	15.4	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
08 00	8.0	8.7	7.2	7.1	-6.9	1.6	1.1	5.1	-15.4	15.4	1.6	1.1	15.4	-2.1	15.4	-0.1	15.4	1.2	2.7	0.7	15.4	-2.1	15.4	1.2	1.1	15.4	15.4	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
08 06	7.7	1.4	-7.6	6.8	-6.4	4.5	1.1	4.7	-2.4	16.3	-16.3	1.1	4.7	-2.4	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
08 12	7.6	5.7	4.5	5.5	-5.5	3.7	4.1	4.1	-1.1	16.3	-16.3	1.1	4.1	-1.1	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
08 18	7.5	2.5	-7.5	6.8	-6.4	4.5	1.1	4.7	-2.4	16.3	-16.3	1.1	4.7	-2.4	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
08 24	8.6	-0.6	8.8	-8.8	4.4	1.1	4.7	-1.1	16.3	-16.3	1.1	4.7	-1.1	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5			
09 00	8.1	-1.7	8.0	-8.0	10.6	2.4	2.0	4.2	-0.2	16.3	-16.3	1.1	4.2	-0.2	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
09 06	8.9	-7.4	5.0	-9.5	9.2	3.1	5.0	5.0	-3.7	16.3	-16.3	1.1	4.0	-3.7	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1	16.3	1.2	1.1	16.3	16.3	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
09 12	15.3	-0.7	15.3	-9.7	3.8	3.0	3.0	3.0	6.4	3.5	5.4	9.7	2.8	3.0	9.3	-0.1	10.8	10.4	2.0	2.8	3.1	5.0	-0.6	1.1	-0.1	5.5	5.5	-0.5	13.5	13.5	-0.5	13.5	13.5	-0.5		
09 18	16.0	-1.1	16.0	-11.6	1.4	1.6	4.0	-2.1	16.3	-16.3	1.1	4.0	-2.1	16.3	-0.1	16.3	1.2	2.7	0.7	16.3	-2.1															

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Dzien/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
V	u	v	V	u	v	V	u	v	V	u	v	V
01/00	9.7	-7.7	5.9	16.3	15.3	-5.5	8.5	-5.7	6.4	9.9	-9.3	-3.6
01/06	10.2	-6.2	12.1	10.9	-5.4	6.7	-3.2	9.9	-9.8	1.8	5.3	4.0
01/12	11.4	-10.3	-4.9	10.9	10.3	-3.4	7.6	-2.6	7.1	8.5	-8.4	0.9
01/18	6.3	-5.2	3.6	7.7	-2.1	7.7	-4.7	6.1	8.9	-8.4	2.9	4.5
02/00	1.8	-1.5	0.9	9.5	9.5	-0.7	6.4	-4.9	4.1	8.8	-7.3	4.9
02/06	2.8	-2.8	-0.1	7.9	7.8	-0.7	2.1	-1.7	1.1	12.4	-10.6	6.4
02/12	6.3	-2.9	-5.6	8.0	7.9	-0.2	-2.0	-1.8	-1.0	15.5	-11.1	10.9
02/18	9.5	-0.3	-9.5	5.8	5.3	2.4	6.9	-5.3	3.3	17.6	-13.3	13.5
03/00	7.6	-2.3	-7.7	5.9	5.3	-0.3	14.8	-14.8	2.0	14.5	-14.8	1.4
03/06	4.9	-1.9	-6.2	6.4	6.3	-0.9	7.9	-7.3	7.2	18.8	-8.6	1.6
03/12	1.7	-1.5	-0.7	7.6	6.0	-4.6	9.6	-9.1	10.6	7.1	-3.0	-6.4
03/18	8.7	-1.1	-8.7	9.6	9.2	-2.8	9.6	-0.2	9.6	14.0	-2.7	-8.2
04/00	9.5	-0.7	-9.5	10.6	10.6	-0.6	8.6	-10.8	7.8	7.5	7.9	-7.3
04/06	8.1	-1.2	-8.1	10.2	10.0	-2.0	6.4	-9.0	8.4	11.7	-7.9	-8.6
04/12	3.8	-1.4	-3.6	11.9	11.7	-2.4	4.7	-3.0	14.8	-10.1	11.0	-8.3
04/18	4.2	-3.4	-2.4	12.7	11.7	-5.0	4.5	-2.7	14.5	-10.1	10.5	-6.3
05/00	16.4	-3.7	-16.0	15.2	14.7	-3.4	3.3	-2.3	10.8	9.6	-6.0	-4.7
05/06	2.5	-1.7	-2.5	12.7	12.7	-0.3	10.5	-15.5	12.3	9.5	-5.5	-5.2
05/12	21.6	-0.2	-21.6	18.0	17.8	-0.7	3.8	-0.8	7.2	12.8	-8.6	0.3
05/18	19.1	-0.3	-19.1	17.9	17.9	-0.8	4.7	-2.2	4.2	7.4	-7.3	-1.3
06/00	15.0	-6.5	-13.5	21.7	21.7	1.2	5.9	-4.1	2.1	-2.2	6.4	-2.1
06/06	16.3	-14.8	-7.0	22.1	22.1	0.9	7.1	-5.5	4.5	9.1	-1.3	-9.0
06/12	18.2	-18.2	1.6	24.0	22.1	9.3	9.2	-7.2	5.7	7.9	1.3	-7.8
06/18	18.7	-17.9	-5.4	27.4	26.6	8.6	9.5	-7.5	5.8	6.4	-3.5	-3.2
07/00	15.3	-13.4	-7.4	26.3	25.6	5.3	14.2	-11.2	8.7	6.3	-5.7	-5.0
07/06	11.9	-10.4	-6.3	16.1	16.1	-0.1	14.2	-10.9	9.0	6.6	-2.6	-2.1
07/12	6.8	-5.0	-6.8	15.7	15.7	-0.3	13.4	-13.4	9.5	5.3	-2.3	-2.0
07/18	5.0	-1.8	-5.7	19.1	19.1	-0.7	8.0	-8.0	9.3	6.1	-2.2	-1.8
08/00	9.3	-2.0	-2.0	16.3	16.1	-8.8	8.5	-0.5	6.7	6.6	-2.6	-3.7
08/06	8.3	7.5	-3.5	23.8	21.6	-10.1	8.1	-8.1	7.0	5.5	-4.4	-1.6
08/12	12.3	9.7	7.6	19.7	17.9	-8.3	9.2	-9.2	12.9	1.9	0.4	1.9
08/18	18.5	7.9	16.7	10.3	9.0	-5.0	10.1	-10.1	0.0	3.4	-3.3	-3.6
09/00	10.6	2.8	10.2	5.6	5.2	-2.1	10.1	-10.0	1.0	3.5	-3.4	-0.8
09/06	11.1	-10.7	-2.9	4.9	2.4	-4.3	11.1	-10.9	2.0	5.1	-4.0	-3.0
09/12	15.9	-14.9	-5.4	3.5	3.5	-0.7	13.1	-13.1	3.8	8.4	-6.6	-5.3
09/18	10.4	-3.0	-10.4	5.0	5.0	-0.3	2.4	-2.4	10.3	5.8	-5.8	-5.3
10/00	11.0	-11.5	-0.5	4.5	2.6	-0.8	10.8	-10.8	12.2	11.5	-11.5	-11.3
10/06	10.9	-10.8	0.0	10.0	10.5	-0.9	1.5	-1.5	1.0	10.2	-10.2	-10.2
10/12	9.5	-9.3	-2.1	15.9	15.9	-0.1	3.0	-3.0	12.3	12.3	-15.3	-15.3
10/18	10.1	-9.4	-2.4	13.9	13.7	-0.3	13.8	-13.8	12.5	12.5	-15.5	-15.5
11/00	11.2	-11.1	-1.8	8.2	4.7	6.7	6.5	-1.3	13.2	10.7	-7.7	-7.8
11/06	13.0	-13.0	-1.1	11.7	11.4	2.6	6.3	-0.2	12.2	8.5	-8.8	-8.5
11/12	15.0	-14.4	-1.1	11.6	12.1	3.1	5.2	-0.9	14.7	7.9	-13.7	-13.6
11/18	16.7	-16.5	-2.4	6.0	5.1	3.0	3.8	-0.3	9.0	7.6	-13.5	-13.6
12/00	12.2	-12.0	-0.2	12.0	12.0	-0.2	12.4	-12.4	12.3	12.3	-12.2	-12.2
12/06	18.6	-18.6	0.9	8.3	2.1	8.1	-7.7	-0.7	12.9	7.8	-17.7	-17.7
12/12	22.0	-22.0	1.1	9.1	8.2	-3.0	1.1	-9.7	5.0	6.3	-2.6	-2.5
12/18	18.0	-18.0	0.8	9.4	2.2	9.1	-3.5	-0.5	6.1	15.1	-4.7	-4.7
13/00	15.5	-15.3	4.2	9.3	11.1	9.2	-4.1	-2.4	10.1	2.3	-20.2	-20.2
13/06	10.5	-9.2	5.1	9.7	2.9	9.3	-4.5	-0.7	13.2	12.2	-21.7	-21.7
13/12	7.0	-4.3	5.4	10.2	3.4	9.6	5.5	-5.3	12.8	13.1	-21.1	-21.1
13/18	3.9	-3.3	2.1	9.2	8.8	6.2	6.5	-0.2	12.2	8.5	-21.8	-21.8
14/00	2.9	-2.7	1.0	12.7	12.7	-1.3	1.3	-1.3	10.8	4.6	-21.2	-21.2
14/06	14.2	-14.2	3.5	2.0	-3.0	-0.9	3.1	-2.2	4.5	12.3	-21.7	-21.7
14/12	5.7	-5.4	1.6	3.0	-2.3	-0.8	3.1	-2.2	4.5	12.3	-21.7	-21.7
14/18	5.7	-5.4	1.6	3.0	-2.1	-2.2	2.7	-2.3	4.5	12.3	-21.7	-21.7
15/00	7.5	-7.4	1.1	5.3	-4.7	-2.3	2.2	-2.6	4.5	12.3	-21.7	-21.7
15/06	8.6	-8.3	2.4	5.4	-5.1	-1.8	4.0	-3.7	4.5	12.3	-21.7	-21.7
15/12	9.5	-9.4	-0.4	7.1	6.5	-2.8	4.8	-4.1	5.1	12.3	-21.7	-21.7
15/18	9.9	-9.1	1.1	9.7	-9.2	-3.1	7.8	-7.4	8.5	12.3	-21.7	-21.7
16/00	8.7	-8.5	-1.9	10.9	10.6	-2.6	14.6	-14.6	14.2	12.3	-21.7	-21.7
16/06	8.0	-7.9	-1.6	9.8	9.6	-0.4	12.3	-12.3	9.0	11.6	-21.7	-21.7
16/12	16.7	-16.5	-2.4	6.0	5.1	-0.3	12.3	-12.3	9.6	11.4	-21.7	-21.7
16/18	12.2	-12.0	-0.2	12.0	12.0	-0.2	12.4	-12.4	12.3	12.3	-21.7	-21.7
17/00	14.6	-14.4	-3.0	2.9	-3.1	-2.2	4.6	-3.5	4.3	12.3	-21.7	-21.7
17/06	14.4	-14.2	-3.0	4.0	-3.9	-2.7	4.7	-3.5	4.5	12.3	-21.7	-21.7
17/12	5.2	-1.9	-4.8	3.3	2.9	-1.5	3.8	-1.7	3.4	13.5	-10.9	-0.8
17/18	4.6	-2.0	-4.1	3.3	-3.2	-0.2	7.1	-6.6	13.7	10.2	-9.2	-9.2
18/00	4.0	-1.7	-3.7	3.1	3.1	-0.3	14.3	-12.8	10.6	13.0	-13.3	-13.3
18/06	3.3	-2.2	-2.5	3.0	1.9	-2.3	23.5	-23.5	11.0	20.1	-13.0	-13.0
18/12	4.9	-4.6	-1.7	2.5	-0.4	-2.4	24.5	-24.5	12.8	11.3	-13.0	-13.0
18/18	19.0	-18.8	-0.2	12.7	-0.2	-1.1	23.8	-23.8	11.8	11.8	-13.0	-13.0
19/00	4.0	-6.2	-1.2	4.5	-5.2	-0.7	16.7	-16.7	2.6	2.6	-13.0	-13.0
19/06	8.8	-8.6	2.1	9.2	6.2	-5.3	13.1	-12.0	1.7	1.1	-13.0	-13.0
19/12	7.1	-5.9	3.8	8.8	-6.7	14.9	12.9	-1.1	1.1	-13.0	-13.0	-13.0
19/18	6.7	-4.9	4.6	12.9	-11.1	1.1	7.1	-7.1	2.7	2.7	-12.9	-12.9
20/00	4.4	-2.9	3.3	8.3	-3.5	-0.5	10.8	-10.8	5.4	5.2	-12.9	-12.9
20/06	3.5	-2.6	2.0	7.1	-2.9	-0.3	13.6	-13.6	3.2	3.0	-13.6	-13.6
20/12	5.3	-5.3	-0.3	10.5	-8.4	-1.5	11.3	-11.3	3.6	3.4	-13.6	-13.6
20/18	4.5	-3.4	3.0	14.7	-21.4	7.9	7.9	-15.8	16.8	11.7	-13.6	-13.6
21/00	23.9	-22.0	4.9	9.5	-6.3	7.2	3.7	-14.5	16.8	11.7	-13.6	-13.6
21/06	2.7	-2.7	-1.2	12.3	-12.3	3.8	4.3	-16.8	16.8	11.7	-13.6	-13.6
21/12	2.7	-2.7	-3.4	12.8	-12.8	3.5	2.5	-16.8	16.8	11.7	-13.6	-13.6
21/18	6.1	-6.0	1.1	12.6	-11.2	4.9	2.7	-16.8	16.8	11.7	-13.6	-13.6
22/00	3.0	-1.9	2.4	7.3	-4.3	5.9	2.7	-16.8	16.8	11.7	-13.6	-13.6
22/06	3.7	-2.0	3.1	12.5	-11.3	6.8	5.5	-13.6	16.8	11.7	-13.6	-13.6
22/12	3.5	-1.1	3.3	14.7	-14.3	10.8	9.5	-13.6	16.8	11.7	-13.6	-13.6
22/18	5.3	-5.3	-0.3	10.5	-8.4	11.3	11.3	-13.6	16.8	11.7	-13.6	-13.6
23/00	4.5	-3.4	3.0	14.7	-14.3	10.8	9.5	-13.6	16.8	11.7	-13.6	-13.6
23/06	2.7	-2.7	-1.2	12.3	-12.3	3.8	4.3	-16.8	16.8	11.7	-13.6	-13.6
23/12	2.7	-2.7	-3.4	12.8	-12.8	3.5	2.5	-16.8	16.8	11.7	-13.6	-13.6
23/18	6.1	-6.0	1.1	12.6	-11.2	4.9	2.7	-16.8	16.8	11.7	-13.6	-13.6
24/00	4.4	-6.6	-5.2	9.7	-5.7	6.2	7.6	-8.5	6.5	3.8	-13.6	-13.6
24/06	6.6	-6.3	-6.1	11.6	-10.0	8.9	6.5	-9.6	5.1	3.7	-13.6	-13.6
24/12	11.8	-9.5	-7.0	10.1	9.6	-12.6	11.6	-13.6	12.1	5.7	-13.6	-13.6
24/18	18.7	-16.3	-9.5	8.7	-8.3	7.1	4.4	-11.6	12.1	4.6	-13.6	-13.6
25/00	19.5	-18.5	-6.3	10.1	9.8	-7.0	7.8	-7.7	4.1	4.4	-13.6	-13.6
25/06	23.9	-22.0	-7.4	9.5	-8.1	7.3	4.0	-11.6	12.1	4.6	-13.6	-13.6
25/12	18.0	-17.5	-4.3	11.0	-10.2	7.4	4.0	-11.6	12.1	4.6	-13.6	-13.6
25/18	24.1	-23.6	-6.1	11.6	-10.2	7.4	4.0	-11.6	12.1	4.6	-13.6	-13.6
26/00	12.5	-12.0	-7.4	10.6	-9.8	12.0	5.1	-13.6	12.1	4.6	-13.6	-13.6
26/06	26.1	-17.4	-3.8	11.9	-10.2	7.4	5.5	-13.6	12.1	4.6	-13.6	-13.6
26/12	17.9	-8.8	-15.6	1.5	-0.1	14.4	13.7	-12.5	9.8	6.1	-13.6	-13.6

Spis tablic

1988

1989

Dzień/Godzina

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	11.2	8.2	-7.7	13.0	11.2	-6.5	8.8	6.5	5.9	6.7	-6.3	2.2
01 08	3.6	-3.6	11.8	9.2	-6.5	7.4	4.9	5.6	14.3	-11.5	-8.4	12.2
01 12	5.4	-3.4	11.5	11.8	-6.2	4.7	4.4	5.1	13.1	4.2	12.4	12.9
01 18	6.2	-2.8	-1.5	11.5	11.4	-6.1	13.1	4.2	12.4	12.9	-6.3	-11.3
02 00	6.7	5.8	-3.4	13.7	12.3	-6.0	17.0	2.6	16.8	8.7	-5.4	6.8
02 18	14.7	12.8	-7.2	15.0	14.3	-4.6	5.0	1.8	4.8	8.5	-4.5	-7.3
03 00	13.4	11.8	-6.3	17.0	17.0	-4.8	3.8	1.8	3.3	8.2	-3.1	-7.7
03 06	13.0	11.2	-6.6	19.1	17.6	-7.5	3.9	0.7	3.8	5.4	0.0	5.4
03 12	12.9	12.2	-4.1	18.4	18.9	-4.4	4.0	-1.6	3.7	2.3	-0.2	2.0
03 18	11.9	11.4	-4.3	18.3	18.3	-4.4	4.0	-1.6	3.7	2.3	-0.2	2.0
04 00	10.3	10.3	-0.2	15.1	15.0	-2.0	4.2	-4.1	-0.9	4.7	-4.7	0.0
04 06	10.7	10.7	-0.2	17.1	17.0	-1.2	4.8	-4.3	-2.1	9.2	-9.2	0.3
04 12	11.4	11.4	-0.9	16.7	16.7	-1.1	2.1	-2.1	0.0	12.5	-12.5	0.5
04 18	11.5	11.5	0.0	18.2	18.2	0.4	1.1	-1.0	0.6	11.7	-11.6	0.9
05 00	9.4	9.3	-0.7	20.3	20.0	3.8	3.2	2.5	2.0	12.8	-12.5	2.8
05 06	10.2	10.2	0.1	25.6	25.4	4.6	5.6	4.5	3.3	17.3	-15.8	7.2
05 12	12.6	12.5	-0.7	24.0	24.4	-2.9	8.0	7.5	0.6	22.3	-19.0	11.8
05 18	13.9	13.5	2.7	24.7	24.7	-0.2	8.1	8.0	-1.6	21.8	-19.8	11.7
05 24	13.9	13.5	2.7	24.7	24.7	-0.2	8.1	8.0	-1.6	21.8	-19.8	11.7
06 00	10.6	10.5	-1.7	19.6	19.6	0.7	4.2	2.6	3.3	20.8	-7.2	19.5
06 06	11.4	9.5	-6.4	25.3	25.2	-2.6	4.9	1.7	4.6	13.1	-41.1	12.4
06 12	12.0	9.4	-7.4	25.2	24.9	-3.9	6.2	-0.9	8.2	14.5	-24.5	14.8
06 18	13.5	12.5	-5.2	25.2	25.3	-4.7	6.3	-1.2	6.2	8.7	-7.4	4.5
07 00	13.2	13.0	-2.3	22.2	22.2	-4.2	8.8	-2.8	8.3	6.8	-6.0	-2.3
07 06	9.3	8.6	-3.4	24.3	23.9	-3.0	9.7	-4.1	8.8	3.1	-0.9	3.9
07 12	13.2	14.2	-12.5	22.1	22.1	-4.2	8.6	4.2	3.5	17.3	-15.8	7.2
07 18	10.6	5.3	-9.2	18.1	18.1	-4.0	9.8	-5.1	8.4	5.2	-5.0	1.4
07 24	10.6	5.3	-9.2	18.1	18.1	-4.0	9.8	-5.1	8.4	5.2	-5.0	1.4
08 00	7.4	7.4	-1.9	23.8	23.8	-5.4	7.4	-1.9	23.8	-2.0	-0.7	0.0
08 06	7.4	7.1	-1.9	23.8	23.8	-5.4	7.4	-1.9	23.8	-2.0	-0.7	0.0
08 12	7.4	7.1	-1.9	20.5	20.5	-5.4	7.7	-1.9	20.5	-2.0	-0.7	0.0
08 18	13.7	-0.6	5.2	5.2	-0.3	6.0	-4.8	3.7	7.4	-0.9	7.4	-0.7
09 00	20.4	18.0	-9.6	3.7	3.6	1.1	5.3	-3.3	4.1	5.2	-0.2	0.8
09 06	17.6	14.6	-9.8	1.4	-0.7	1.2	3.7	-1.1	3.6	7.8	7.4	-0.1
09 12	15.6	15.4	-2.4	4.2	-2.5	3.4	1.0	-0.5	0.8	3.3	-1.1	0.0
09 18	18.0	18.0	-1.4	6.3	-3.8	5.7	3.4	0.5	3.4	2.8	-2.7	0.0
09 24	19.0	18.7	-8.6	8.1	-3.5	7.3	4.0	1.1	8.6	9.4	-1.0	1.5
10 00	15.0	15.0	-1.8	11.3	-2.7	11.6	5.6	1.2	4.4	6.2	-0.5	0.0
10 06	12.9	12.9	-2.8	12.8	-2.8	1.7	5.4	-1.7	12.8	-12.8	0.0	0.0
10 12	14.8	14.8	-5.7	11.1	-2.7	10.3	5.1	9.0	10.9	-3.6	10.3	-10.3
10 18	14.8	14.8	-5.7	11.1	-2.7	10.3	5.1	9.0	10.9	-3.6	10.3	-10.3
10 24	16.0	12.4	-10.1	8.4	6.2	5.6	9.8	6.4	7.5	12.8	-12.8	0.0
11 00	17.1	14.0	-9.9	7.4	7.4	-0.7	10.7	6.6	8.5	12.5	-22.7	12.2
11 12	14.3	12.9	-6.0	9.2	9.2	0.1	10.4	7.3	7.4	9.0	-2.8	9.2
11 18	10.0	9.7	-2.5	11.5	11.5	-1.5	7.6	3.7	10.0	9.3	-1.5	10.0
12 00	10.6	11.5	1.1	12.0	12.0	-3.3	6.2	4.4	13.0	1.3	-1.2	12.0
12 06	13.9	13.7	2.1	14.3	14.3	-0.7	7.0	3.1	16.3	14.0	-0.7	14.3
12 12	13.1	14.2	-6.8	16.8	16.7	-1.7	5.4	2.7	14.5	14.5	-0.7	14.5
12 18	13.9	13.7	-2.1	14.3	14.3	-0.7	7.0	3.1	16.3	14.0	-0.7	14.3
12 24	13.9	13.7	-2.1	14.3	14.3	-0.7	7.0	3.1	16.3	14.0	-0.7	14.3
13 00	17.9	14.0	-11.2	16.9	15.3	-7.2	5.3	2.5	18.5	1.2	-1.0	18.5
13 06	16.7	16.7	-0.9	14.7	12.7	-7.4	14.7	-0.9	14.7	12.7	-7.4	12.7
13 12	25.9	24.4	-8.8	12.8	10.5	-6.2	18.0	3.3	17.7	15.7	-5.5	14.7
13 18	27.3	24.7	-11.6	9.5	8.6	-2.6	14.9	-5.3	14.9	14.0	-3.5	14.0
14 00	18.1	16.3	-7.9	13.0	9.3	-2.5	12.7	12.4	28	12.7	-0.9	12.7
14 06	12.8	12.5	2.7	19.1	10.8	-15.8	20.1	19.8	-2.9	13.3	-9.4	9.4
14 12	18.1	16.9	-6.3	21.6	18.6	-2.1	15.5	-2.1	15.5	12.0	-6.3	12.0
14 18	16.2	15.0	-5.6	21.6	18.7	-2.1	15.5	-2.1	15.5	12.0	-6.3	12.0
14 24	15.9	15.3	-5.6	21.6	18.7	-2.1	15.5	-2.1	15.5	12.0	-6.3	12.0
15 00	20.9	20.6	-3.7	10.0	9.5	-3.2	12.2	-2.1	12.2	10.0	-0.7	10.0
15 06	16.7	16.7	-0.9	14.7	12.7	-7.4	14.7	-0.9	14.7	12.7	-7.4	12.7
15 12	25.9	27.1	-11.8	24.4	21.8	-7.9	24.1	3.0	24.2	13.2	-10.1	13.2
15 18	27.3	24.7	-11.6	9.5	8.6	-2.6	14.9	-5.3	14.9	14.0	-3.5	14.0
16 00	27.3	24.2	-12.7	20.4	20.2	-2.4	16.8	-2.7	16.8	12.9	-10.2	12.9
16 06	19.7	15.9	-11.7	17.4	17.0	-2.1	15.6	-2.1	15.6	12.0	-10.2	12.0
16 12	14.8	13.1	-7.0	21.7	21.0	-5.6	17.1	-6.8	17.1	12.5	-10.2	12.5
16 18	15.2	14.3	-5.3	21.6	21.0	-5.6	17.1	-6.8	17.1	12.5	-10.2	12.5
17 00	22.0	21.6	-5.5	22.0	20.5	-8.5	8.7	-4.4	8.7	12.5	-12.5	0.0
17 06	20.4	20.4	-5.5	21.6	20.5	-8.5	8.7	-4.4	8.7	12.5	-12.5	0.0
17 12	20.1	19.7	-5.5	21.6	20.5	-8.5	8.7	-4.4	8.7	12.5	-12.5	0.0
17 18	23.0	18.9	-13.1	7.7	7.5	-1.7	5.5	-1.7	5.5	12.0	-12.0	0.0
18 00	22.0	18.0	-12.7	6.0	5.6	-2.2	7.7	-1.8	7.7	12.0	-12.0	0.0
18 06	20.5	30.1	-4.6	19.3	17.6	-7.5	9.5	-2.4	9.5	12.5	-12.5	0.0
18 12	27.5	24.7	-11.6	12.5	12.5	-4.7	14.9	-2.4	14.9	12.0	-12.0	0.0
18 18	21.5	18.8	-9.3	19.0	18.8	-4.7	14.9	-2.4	14.9	12.0	-12.0	0.0
18 24	21.5	18.8	-9.3	19.0	18.8	-4.7	14.9	-2.4	14.9	12.0	-12.0	0.0
19 00	11.3	8.9	-7.1	18.2	18.2	-4.7	10.5	-1.0	10.5	9.3	-1.0	9.3
19 06	13.1	10.7	-7.5	14.1	11.2	-1.0	9.3	-0.6	9.3	10.2	-1.0	10.2
19 12	14.2	12.2	-5.3	15.4	15.3	-1.0	9.6	-0.6	9.6	12.1	-1.0	12.1
19 18	14.2	12.2	-5.3	15.4	15.3	-1.0	9.6	-0.6	9.6	12.1	-1.0	12.1
20 00	14.0	12.8	-6.8	12.6	12.6	-0.5	9.0	-0.5	9.0	12.7	-1.0	12.7
20 06	13.1	11.8	-5.6	9.5	9.5	-0.5	9.0	-0.5	9.0	12.7	-1.0	12.7
20 12	12.8	12.4	-5.6	9.5	9.5	-0.5	9.0	-0.5	9.0	12.7	-1.0	12.7
20 18	12.8	12.4	-5.6	9.5	9.5	-0.5	9.0	-0.5	9.0	12.7	-1.0	12.7
20 24	12.8	12.4	-5.6	9.5	9.5	-0.5	9.0	-0.5	9.0	12.7	-1.0	12.7
21 00	7.8	7.4	-1.7	21.0	20.9	-7.6	9.7	1.0	21.0	20.9	-7.6	0.0
21 06	7.4	7.0	-1.7	21.0	20.9	-7.6	9.7	1.0	21.0	20.9	-7.6	0.0
21 12	7.4	7.0	-1.7	21.0	20.9	-7.6	9.7	1.0	21.0	20.9	-7.6	0.0
21 18	7.4	7.0	-1.7	21.0	20.9	-7.6	9.7	1.0	21.0	20.9	-7.6	0.0
21 24	7.4	7.0	-1.7	21.0	20.9	-7.6	9.7	1.0	21.0	20.9	-7.6	0.0
22 00	12.6	12.8	-14.3	5.1	5.8	-1.7	18.0	-2.0	18.0	7.4	-2.0	7.4
22 06	14.1	14.1	-0.9									

Spis tablic

1990

Dzien/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	4.3	-1.8	3.9	16.0	5.5	15.0	17.8	16.3	-7.1	13.6	10.1	-9.1
01 06	4.4	-0.4	11.8	6.6	9.8	3.4	2.3	16.0	10.5	-8.3	4.8	-2.1
01 12	2.5	-0.4	2.5	9.5	6.7	6.7	5.5	-3.9	10.0	8.8	-4.7	6.1
01 18	0.9	-0.8	3.0	9.5	7.3	6.2	12.4	11.7	-4.2	7.1	6.9	1.7
02 00	1.5	-0.8	1.3	8.7	5.2	6.9	13.8	10.5	-8.9	8.4	7.7	-2.1
02 06	3.0	-0.7	2.9	11.5	4.4	10.6	14.1	14.0	-0.8	8.7	7.8	3.7
02 12	4.2	-1.8	3.3	11.7	3.7	11.3	13.0	10.9	-7.6	6.9	6.7	1.1
02 18	3.8	-0.7	3.7	11.6	3.1	11.3	13.0	10.9	-7.6	7.8	7.1	-3.1
03 00	2.2	-0.7	2.2	11.6	1.6	11.6	14.1	13.0	-9.0	5.0	5.5	-2.6
03 06	4.6	-3.1	3.4	14.6	13.9	4.4	12.0	6.5	-10.1	11.3	8.5	7.0
03 12	2.8	-2.3	1.6	14.3	13.0	6.1	12.7	6.1	-12.2	10.7	6.7	7.5
03 18	1.7	-1.7	-0.1	15.8	10.2	11.0	18.9	10.9	-4.7	11.5	11.4	-6.9
04 00	0.5	-0.5	0.8	23.6	5.7	22.9	17.1	16.9	-2.7	9.3	7.9	-5.0
04 06	4.0	1.6	3.6	9.0	9.0	9.0	22.3	22.1	-2.9	11.2	11.0	-2.3
04 12	5.0	3.0	5.0	21.7	16.0	-14.7	28.3	27.4	-6.7	14.1	14.1	0.6
04 18	10.2	4.0	9.4	13.6	13.6	-3.3	24.7	19.1	-15.4	16.7	13.5	-3.5
04 24	0.5	-0.2	0.8	18.8	1.8	1.8	19.0	18.8	-0.6	19.6	19.6	-0.1
04 30	0.6	7.6	6.7	14.0	1.0	19.5	19.4	1.8	-0.3	9.6	9.6	-0.7
05 06	4.5	3.9	2.4	15.0	15.0	-0.1	27.7	27.7	-0.1	4.2	4.0	-1.1
05 12	1.5	-2.3	1.2	11.6	1.6	11.6	14.1	13.0	-10.5	9.0	5.5	-2.6
05 18	6.0	5.8	1.6	11.9	-0.9	-0.7	31.2	30.6	-6.1	4.4	4.2	-1.4
05 24	6.2	6.0	1.0	11.9	11.9	-0.2	27.3	26.6	-6.3	3.5	3.1	-0.4
06 00	9.7	9.5	-1.9	9.6	9.5	1.8	24.9	24.7	-2.7	2.4	1.3	-1.9
06 06	9.2	9.0	-2.2	9.0	7.5	5.1	22.4	21.3	-6.9	2.8	-0.5	-2.8
06 12	5.9	5.9	-0.6	12.2	7.4	9.7	17.6	15.9	-7.4	2.6	-1.0	-2.4
06 18	7.7	7.2	-0.2	11.8	7.8	9.1	15.7	15.7	-6.8	4.4	-0.1	-0.6
06 24	9.5	8.9	-3.3	17.3	14.8	9.0	19.5	19.4	-5.6	3.7	-1.1	-0.7
07 00	10.6	10.3	-2.5	23.4	19.0	13.7	16.5	16.5	-10.1	9.4	-0.9	-0.5
07 06	12.5	12.2	-1.5	19.3	14.0	10.0	19.5	19.4	-5.3	2.7	-1.1	-0.7
07 12	10.6	10.3	-2.5	23.4	19.0	13.7	16.5	16.5	-10.1	9.4	-0.9	-0.5
07 18	11.2	11.2	-0.8	27.8	23.3	15.5	24.9	24.9	-7.3	11.1	11.0	-0.8
07 24	11.5	11.7	-3.0	27.0	24.0	20.4	20.4	20.4	-1.1	13.1	11.2	-7.0
08 00	13.2	13.2	-1.1	29.5	26.6	13.4	24.7	24.7	-9.5	7.4	6.5	-3.5
08 06	14.8	14.9	-0.5	14.5	14.6	14.7	30.7	34.4	-9.7	5.4	4.5	-1.6
08 12	16.2	16.1	-5.1	30.8	30.4	17.7	24.7	24.7	-2.4	11.9	9.9	-9.1
08 18	17.0	16.2	-5.1	30.8	30.4	17.7	24.7	24.7	-2.4	11.9	9.9	-9.1
08 24	14.0	11.0	-10.1	28.5	26.7	14.6	24.0	24.0	-9.5	5.4	4.5	-1.6
09 00	11.0	-10.1	28.5	26.7	14.6	24.0	24.0	-9.5	5.4	4.5	-1.6	-0.1
09 06	11.9	9.9	-22.4	20.8	18.1	19.3	24.4	24.4	-9.5	5.4	4.5	-1.6
09 12	20.3	19.3	-6.3	16.7	16.2	-6.8	27.9	24.0	-2.7	2.9	2.8	-3.8
09 18	17.1	14.6	-8.8	16.1	15.9	-2.9	27.3	26.3	-3.3	1.1	-1.2	-0.1
09 24	10.0	12.3	-8.6	13.9	13.0	-0.4	27.0	26.0	-5.3	5.1	4.0	-4.0
10 00	12.0	12.1	-7.2	10.9	10.9	-0.4	27.0	26.0	-5.3	5.1	4.0	-4.0
10 06	12.6	12.7	-7.4	10.9	10.9	-0.4	27.0	26.0	-5.3	5.1	4.0	-4.0
10 12	12.2	12.3	-7.6	10.9	10.9	-0.4	27.0	26.0	-5.3	5.1	4.0	-4.0
10 18	12.8	12.7	-7.4	10.9	10.9	-0.4	27.0	26.0	-5.3	5.1	4.0	-4.0
10 24	12.0	10.3	-2.3	18.2	1.1	18.2	23.6	19.7	-1.0	1.1	-0.4	-0.1
11 00	22.2	22.1	-4.1	16.1	10.6	12.1	17.3	16.9	-3.8	9.7	5.5	-2.3
11 06	22.5	21.9	-5.2	19.2	7.8	9.2	11.8	15.9	-5.5	6.7	5.5	-2.3
11 12	21.6	20.9	-5.2	17.3	9.8	9.2	11.2	12.2	-5.5	6.7	5.5	-2.3
11 18	19.8	18.7	-5.2	17.3	9.8	9.2	11.2	12.2	-5.5	6.7	5.5	-2.3
11 24	20.3	19.3	-6.3	16.3	9.2	9.2	11.8	15.9	-5.5	6.7	5.5	-2.3
12 00	19.6	19.4	-7.4	16.3	9.2	9.2	11.8	15.9	-5.5	6.7	5.5	-2.3
12 06	17.2	7.2	-1.0	16.3	5.9	15.2	28.7	26.3	-9.4	0.7	0.2	-0.7
12 12	8.3	8.0	-1.9	19.5	5.1	25.1	22.4	22.4	-1.0	1.1	-0.4	-0.7
12 18	10.3	10.3	-2.3	18.2	1.1	18.2	23.6	19.7	-1.0	1.1	-0.4	-0.7
12 24	13.7	13.7	-2.8	14.0	1.1	13.1	23.2	19.3	-1.0	1.1	-0.4	-0.7
13 00	14.0	13.7	-3.0	14.0	1.1	13.1	23.2	19.3	-1.0	1.1	-0.4	-0.7
13 06	14.9	13.9	-8.8	8.8	1.1	13.1	23.2	19.3	-1.0	1.1	-0.4	-0.7
13 12	15.0	14.3	-4.4	6.4	4.2	4.8	15.5	15.0	-0.5	3.0	3.0	-0.5
13 18	18.5	16.2	-8.0	8.0	4.0	4.8	15.5	15.0	-0.5	3.0	3.0	-0.5
13 24	14.0	13.9	-7.4	13.9	5.8	5.8	15.5	15.0	-0.5	3.0	3.0	-0.5
14 00	9.2	9.4	-7.4	12.0	5.2	5.2	14.7	14.0	-0.5	3.0	3.0	-0.5
14 06	6.3	6.0	-2.0	14.2	5.2	5.2	14.7	14.0	-0.5	3.0	3.0	-0.5
14 12	6.3	6.0	-2.0	11.3	5.2	5.2	14.7	14.0	-0.5	3.0	3.0	-0.5
14 18	5.6	5.7	-0.7	12.2	8.2	8.2	13.8	13.0	-0.3	5.7	5.7	-0.3
14 24	8.5	8.4	-1.3	13.5	5.2	5.2	14.7	14.0	-0.5	3.0	3.0	-0.5
15 00	11.2	10.5	-3.8	3.3	3.3	3.3	2.0	-1.1	-0.5	6.1	5.5	-0.1
15 06	25.5	25.6	-0.2	9.0	3.3	3.3	2.0	-1.1	-0.5	6.1	5.5	-0.1
15 12	22.2	22.2	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
15 18	16.5	16.5	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
15 24	16.5	16.5	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
16 00	29.5	28.9	-0.4	10.9	7.2	8.2	9.6	9.6	-0.4	6.0	5.5	-0.1
16 06	32.1	29.9	-12.0	10.8	5.7	5.7	9.6	9.6	-0.4	6.0	5.5	-0.1
16 12	22.2	22.2	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
16 18	22.3	22.3	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
16 24	22.3	22.3	-0.2	10.3	7.1	7.1	15.7	15.7	-0.5	1.1	-0.5	-0.1
17 00	21.0	21.0	-3.1	15.2	1.2	1.2	11.6	11.6	-0.4	10.7	10.7	-0.1
17 06	22.7	21.7	-6.6	11.3	10.5	12.2	17.7	17.7	-0.4	10.7	10.7	-0.1
17 12	22.7	21.7	-6.6	11.3	10.5	12.2	17.7	17.7	-0.4	10.7	10.7	-0.1
17 18	22.7	21.7	-6.6	11.3	10.5	12.2	17.7	17.7	-0.4	10.7	10.7	-0.1
17 24	22.7	21.7	-6.6	11.3	10.5	12.2	17.7	17.7	-0.4	10.7	10.7	-0.1
18 00	21.9	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
18 06	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
18 12	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
18 18	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
18 24	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
19 00	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
19 06	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
19 12	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
19 18	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
19 24	22.0	21.6	-1.6	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
20 00	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
20 06	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
20 12	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
20 18	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
20 24	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
21 00	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
21 06	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
21 12	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
21 18	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
21 24	21.0	19.8	-3.7	17.7	17.7	17.7	10.4	10.4	-0.4	10.7	10.7	-0.1
22 00</td												

Spis tablic

1991

1992

Dzień/Godzina

	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	11.7	11.7	0.7	4.0	2.3	-3.3	10.5	10.3	-2.3	14.4	-9.7	10.7	5.9	3.2	4.9	2.9	-2.8	-0.5	8.1	5.6	5.8	3.3	0.4	-3.3	4.0	-3.9	0.8	6.9	-0.1	-6.9	10.9	10.9	0.9	16.7	11.0	15.1												
01 06	19.5	9.5	0.0	5.9	5.3	-2.5	11.3	11.3	-0.3	12.4	-11.1	13.5	11.5	2.2	11.3	3.3	-2.5	2.2	9.4	5.0	8.0	1.2	0.2	-1.2	4.3	4.2	-1.0	7.0	3.0	-6.0	16.9	10.2	3.9	21.0	12.0	17.2												
01 12	8.1	19.1	2.0	11.1	11.1	-10.2	-5.3	10.6	10.5	18.25	-8.1	24.0	16.9	-1.4	16.9	4.1	-4.0	-1.3	6.4	4.7	4.3	6.2	-3.1	5.3	11.9	10.7	-5.2	5.2	3.9	-3.4	13.0	10.3	7.8	15.6	15.7	15.5												
02 00	21.3	20.7	-4.8	11.2	10.4	-4.1	10.3	10.1	2.1	22.7	-0.2	2.2	9.7	8.4	4.9	3.4	-3.1	1.4	8.4	8.1	-2.1	7.1	-2.0	6.8	16.1	13.7	-8.5	4.6	2.3	-4.0	15.2	14.5	4.7	16.3	15.5	5.2												
02 12	27.9	26.9	-7.7	9.3	7.7	-5.1	15.4	11.0	10.7	6.4	0.3	6.4	1.0	1.0	0.4	6.5	-5.6	3.4	3.9	1.1	-3.8	5.6	3.5	4.4	14.2	14.2	-1.6	2.6	-2.1	-1.5	14.8	12.1	8.5	15.9	11.5	10.9												
03 00	27.0	25.8	-8.0	12.8	12.8	-0.3	23.7	23.3	-4.4	2.0	-1.5	1.3	4.6	-2.2	-4.1	7.7	-6.1	4.7	4.1	-2.9	-3.0	6.3	6.0	-1.8	15.8	11.6	10.7	5.5	-5.5	0.3	22.4	18.1	13.1	26.8	12.0	24.0												
03 06	27.0	25.5	-5.2	17.2	15.6	7.2	26.8	26.8	0.0	2.2	0.1	2.2	3.9	0.2	-3.9	10.1	-6.1	8.0	5.2	-1.2	-5.0	5.7	5.7	0.4	17.6	11.5	13.4	6.5	-6.1	2.0	24.5	23.9	5.4	24.3	15.5	18.6												
03 12	28.1	28.3	-4.4	20.2	19.4	7.4	26.1	24.3	3.2	3.2	-0.2	3.3	3.5	2.2	-2.1	8.9	8.0	4.2	-2.6	-3.4	7.5	2.3	14.4	13.3	5.5	8.1	-8.1	-0.4	28.0	28.3	4.3	21.1	14.4	-1.4														
03 18	27.1	27.1	-4.2	17.8	18.0	2.4	21.5	18.4	0.7	4.4	-0.7	4.4	1.5	0.5	-1.5	10.5	-2.7	4.4	-0.4	-1.5	10.5	0.5	-10.5	10.5	10.5	10.5	-10.5	0.5	17.1	15.1	2.4	17.1	15.1	2.4														
04 00	27.2	27.2	-0.6	20.0	18.4	-7.9	17.4	11.1	-1.3	1.2	0.3	1.1	6.5	4.7	-4.5	9.2	-6.6	5.5	0.8	0.0	7.4	5.1	5.3	12.4	12.4	-0.3	7.1	-7.1	0.1	16.4	16.4	-0.4	11.4	8.0	8.1													
04 06	28.0	27.7	3.6	19.9	14.2	-13.9	16.1	8.8	13.5	0.9	0.8	-0.3	5.5	3.8	-4.1	9.3	6.9	6.2	4.6	1.5	4.4	8.5	8.0	-2.8	12.2	12.2	0.4	8.6	-8.6	-0.2	14.6	14.5	1.6	14.1	2.2	13.9												
04 12	29.3	28.4	-7.0	18.2	13.2	-12.6	14.3	4.2	-13.7	6.3	5.9	-2.4	5.7	4.3	-7.3	10.8	-9.5	5.0	5.8	-2.5	5.2	4.7	3.5	-3.2	9.9	5.5	2.8	9.1	-9.1	0.9	15.2	15.0	2.9	14.7	13.7	5.3												
04 18	21.8	20.1	-8.5	16.3	8.9	-14.4	6.9	2.6	-5.4	9.5	9.0	-3.0	4.7	2	-3.8	10.3	7.8	6.7	8.9	-7.0	5.4	7.6	4.8	-5.9	6.0	5.9	0.8	9.5	-9.5	-0.3	14.6	14.6	-1.3	14.9	13.5	6.5												
05 00	19.0	18.4	-5.0	16.5	9.0	-13.8	3.4	2.0	-2.8	9.4	9.3	-1.4	5.3	4.1	-3.3	8.2	-6.5	5.0	7.4	-0.5	11.5	10.2	-5.3	5.1	5.8	1.6	10.2	-9.7	3.0	15.1	12.3	-8.8	14.8	9.4	0.5													
05 06	25.9	23.6	-10.5	12.6	10.8	-6.1	8.0	0.7	-0.4	8.8	8.7	0.9	5.1	3.9	-3.3	9.0	-7.0	5.7	8.7	-8.3	10.8	10.5	-2.6	3.9	3.8	0.9	9.2	-9.4	-3.3	12.9	8.2	-9.9	12.7	11.9	4.3													
05 12	19.6	14.5	-13.2	10.8	7.0	-8.3	2.4	1.0	13.5	5.0	-0.1	1.1	4.0	2.1	-1.7	10.1	-5.1	8.0	5.2	-1.2	5.0	5.7	5.7	0.4	17.6	11.5	13.4	6.5	-6.1	2.0	24.5	23.9	5.4	24.3	15.5	18.6												
05 18	15.4	12.7	-8.8	15.0	5.1	-13.9	0.7	0.1	2.8	3.6	2.7	-2.3	8.1	7.3	-3.6	12.1	-0.6	10.2	-4.6	4.6	12.2	-10.4	6.1	7.7	-12.2	10.4	1.1	13.4	13.3	-3.2	2.3	-2.6	1.4															
05 24	20.7	20.6	-2.4	7.8	5.9	-5.1	4.8	2.8	3.9	3.9	3.8	0.7	11.7	11.5	-2.5	5.6	-4.7	3.1	8.4	-7.1	8.9	5.5	-7.0	-2.0	1.7	12.2	-11.6	3.9	19.7	-18.7	-6.1	4.5	-4.5	0.2														
06 00	11.5	6.8	-9.3	11.2	5.5	-0.2	10.9	4.9	1.3	4.8	7.7	3.5	5.6	5.6	-5.1	9.1	-0.1	4.4	7.7	7.3	2.0	11.5	12.2	-11.2	6.4	2.7	2.2	1.5	4.4	-0.6	4.3																	
06 12	8.0	7.0	-5.4	6.5	5.2	-3.9	10.4	0.0	10.4	6.4	5.9	-2.5	9.3	8.7	-3.4	9.1	-8.0	4.0	4.4	21.5	10.2	-3.7	8.3	7.0	-2.6	20.6	12.8	-12.0	4.6	0.4	4.5	-13.3	-4.3															
06 18	5.4	5.4	0.6	9.0	8.5	3.1	7.6	-1.1	7.5	5.5	5.4	-0.1	10.3	9.8	-3.1	8.9	-3.1	1.3	1.1	4.9	7.4	7.2	-1.6	10.7	-10.8	0.0	16.4	16.2	-2.2	3.7	-2.2	3.0																
07 00	11.5	10.5	4.6	6.6	6.4	-6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4																
07 06	20.7	20.6	-2.4	7.8	5.9	-5.1	4.8	2.8	3.9	3.9	3.8	0.7	11.7	11.5	-2.5	5.6	-4.7	3.1	8.4	-7.1	8.9	5.5	-7.0	-2.0	1.7	10.7	-10.7	0.7	19.7	-18.7	-6.1	4.5	-4.5	0.2														
07 12	21.3	20.8	-4.4	9.5	7.3	-6.1	6.7	5.1	5.1	4.3	1.8	0.3	12.7	12.6	-1.5	7.6	-3.2	6.8	5.7	-5.2	13.9	12.3	-12.0	15.3	14.9	-3.4	6.4	-6.2	1.7	1.7	1.7																	
07 18	18.2	18.2	-0.2	12.0	10.7	-5.4	5.5	3.5	3.5	4.3	1.1	0.1	14.6	14.4	-2.5	5.9	-5.3	2.5	6.0	-5.2	3.0	2.4	2.0	-1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0															
08 00	16.8	16.8	-2.4	13.7	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1	14.3	13.0	-0.1															
08 06	11.0	27.0	-10.7	11.3	11.3	-0.1	10.1	8.0	5.1	5.6	5.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8														
08 12	11.1	7.8	-8.1	12.1	11.6	3.6	12.5	11.1	9.7	9.7	2.4	-1.1	11.6	11.1	-3.3	11.7	-10.9	4.1	9.0	0.3	0.0	9.0	-0.8	2.8	0.1	10.6	7.9	-7.1	2.7	12.2	10.7	1.0	7.5	5.6	-0.5													
08 18	21.0	17.3	-11.8	16.8	16.7	-1.7	17.3	11.3	13.1	6.1	5.6	-2.5	10.3	10.0	-3.0	8.1	-0.3	8.0	1.0	-0.7	3.3	7.0	1.1	2.3	15.4	14.6	-4.9	1.0	9.4	8.4	-0.7	1.0	0.0	0.0														
08 24	23.0	23.0	-11.8	15.4	15.3	1.7	19.8	13.8	12.4	7.6	7.5	-1.0	8.0	5.5	5.9	6.3	6.2	5.5	1.1	5.5	1.1	10.4	-3.6	3.9	1.1	13.4	12.1	-1.6	11.0	10.4	-3.9	3.9	-0.7															
08 30	25.8	24.0	-9.6	15.2	15.2	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9	15.6	15.6	0.9															
09 00	13.2	13.2	-1.1	8.4	8.3	4.3	25.5	21.3	14.1	8.5	0.1	0.5	23.2	21.3	-2.3	8.8	-6.2	3.2	3.3	8.0	8.4	6.4	0.0	1.3	6.2	5.2	15.5	13.0	8.0	16.2	14.1	-8.1																
09 06	9.3	24.0	-9.0	10.3	10.3	-0.3	10.3	8.8	9.3	1.0	2.7	2.7	20.2	20.2	-5.5	6.7	-4.4	-5.0	2.7	2.7	14.8	14.8	0.0	2.0	12.0	11.2	5.0	15.0	15.2	-10.9	10.9	-10.9																
09 12	7.7	4.7	-6.1	11.2	7.9	8.0	20.4	20.2	2.7	10.5	10.0	-3.2	14.1	12.8	-5.9	9.2	-5.8	-7.1	3.8	-3.1	10.4	11.1	-3.6	3.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1														
09 18	6.5	6.5	-3.0	11.3	11.0	-0.3	10.8	9.4	-0.9	4.4	-0.1	0.1	10.1	10.2	-2.7	12.7																																

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Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v	
01 00	2.8	-2.6	-0.3	8.9	5.9	-6.7	4.6	-4.2	-1.8	6.2	0.4	6.1	4.5	-3.6	2.7	6.6	6.6	0.8	7.6	-0.9	-7.5	11.8	8.4	-8.3	10.0	-9.0	-4.4	9.0	-3.4	8.3	1.9	1.8	-0.7	8.0	-1.9	7.8	
01 06	2.8	-2.7	-0.2	11.5	8.3	-8.0	5.2	-5.2	-0.3	8.0	-1.9	7.8	5.8	-2.7	5.2	10.2	9.2	4.6	5.9	1.0	-5.2	8.7	8.0	-3.4	8.9	-7.4	-5.0	13.0	-3.9	13.0	2.0	2.4	-1.3	1.3	-3.2	8.7	
01 12	2.1	-1.3	-1.7	14.9	10.5	-10.6	9.0	-9.0	-0.2	9.8	-2.6	-2.6	7.0	-8.0	-5.7	5.6	10.2	10.0	-1.5	6.0	5.3	-1.7	6.6	-2.5	-6.1	16.7	-8.3	15.4	3.4	-0.2	3.4	11.0	-0.1	11.0			
01 18	1.7	-1.2	-1.7	14.9	10.5	-10.6	9.0	-9.0	-0.2	9.8	-2.6	-2.6	7.0	-8.0	-5.7	5.6	10.2	10.0	-1.5	6.0	5.3	-1.7	6.6	-2.5	-6.1	16.7	-8.3	15.4	3.4	-0.2	3.4	11.0	-0.1	11.0			
02 06	2.1	-2.1	-0.3	8.5	7.5	-4.0	10.6	-10.6	0.3	8.6	-6.9	5.0	10.2	-4.1	9.4	9.4	9.1	-2.4	6.7	6.6	-1.0	4.2	-0.5	3.4	3.2	-1.1	20.4	-7.4	19.0	5.7	-1.2	5.6	12.8	3.5	12.3		
02 12	4.2	3.9	-1.5	8.5	8.5	-1.9	8.7	-8.6	0.7	8.9	-8.8	1.3	12.1	-6.0	10.5	6.5	6.4	-1.1	5.2	5.2	-0.6	2.1	1.8	0.9	5.6	5.1	2.3	21.2	-7.9	19.6	5.9	-2.7	5.2	15.5	6.5	14.1	
03 00	4.3	3.9	-1.9	17.1	14.0	-9.8	5.7	-5.6	-0.5	8.1	-8.1	-0.4	8.0	-5.4	5.9	3.6	3.2	-1.5	8.7	8.1	-3.2	9.0	-1.1	8.9	7.9	6.1	4.9	20.3	-7.3	18.9	5.5	-4.1	3.7	13.6	12.7	4.7	
03 06	3.9	0.0	-3.9	18.2	15.7	-9.2	5.8	-5.4	-2.1	9.5	-9.5	0.2	5.0	-2.3	4.5	4.2	4.2	-0.2	4.2	9.4	8.4	-3.7	12.5	-1.9	12.4	7.3	5.3	5.1	21.2	-8.0	19.7	6.8	-5.0	4.5	14.3	1.0	14.3
03 12	2.7	-1.7	-2.0	21.8	20.2	-8.5	5.8	-4.8	-3.3	9.4	-9.2	-0.2	2.1	-1.7	1.1	2.4	2.4	-0.2	1.7	8.7	8.3	-2.8	11.6	-0.4	11.0	4.0	1.8	3.5	21.2	-6.9	19.9	5.7	-4.7	5.4	13.2	3.1	13.2
03 18	2.3	-0.7	-1.3	21.8	20.2	-8.5	4.7	-4.7	-0.3	5.5	-5.5	-0.3	10.1	-1.7	1.7	2.0	2.0	-0.2	1.7	8.7	8.3	-2.8	11.6	-0.4	11.0	4.0	1.8	3.5	21.2	-6.9	19.9	5.7	-4.7	5.4	13.2	3.1	13.2
04 00	5.2	-0.1	5.2	21.6	20.1	-7.9	4.1	-2.4	-3.4	6.6	-6.6	-0.2	2.3	9.8	6.0	-7.8	7.5	-4.3	-1.1	12.4	11.3	-5.0	3.4	3.1	-1.2	2.2	-0.4	-2.1	17.6	0.4	17.6	5.3	-3.7	3.8	11.6	11.5	-0.9
04 06	7.1	0.5	7.0	22.6	20.8	-8.7	2.7	-2.6	-0.9	5.1	-3.0	-0.3	4.0	11.3	6.1	-6.5	6.2	-2.5	-0.7	11.5	10.6	-4.5	2.6	1.8	-2.0	5.0	-0.6	-4.9	15.0	1.4	14.9	4.6	-3.9	2.4	13.5	1.0	13.5
04 12	8.0	-0.6	8.0	25.5	23.9	-9.9	2.3	-2.2	0.5	6.4	-3.5	5.4	8.3	-3.9	-7.6	6.4	-4.8	-0.2	10.0	9.4	-3.5	1.9	-1.4	7.8	-2.8	7.3	10.3	4.8	9.1	3.4	-2.9	1.9	16.2	15.0	6.2		
04 18	9.0	-0.3	9.0	25.0	23.7	-10.5	0.3	-0.2	-0.2	5.0	-4.4	-2.5	5.1	-0.7	-4.5	14.5	13.3	-5.6	0.6	-0.1	5.7	-1.2	-7.1	5.7	2.7	5.0	4.1	-3.4	2.2	20.0	18.4	8.0					
05 00	9.8	2.1	9.6	21.4	20.2	-8.0	3.8	-3.8	-0.1	2.9	-2.5	1.4	4.7	-2.8	-3.8	2.7	-0.2	-2.7	14.7	12.8	-7.1	2.2	-1.8	10.5	-1.2	10.5	7.3	-2.5	0.8	25.5	24.4	-7.5					
05 06	10.1	3.2	9.6	28.6	25.7	-11.1	7.9	7.8	2.4	1.4	-1.0	1.0	6.5	-5.2	-3.9	2.9	1.3	-2.6	15.1	13.8	-6.3	2.6	-2.4	8.8	-1.1	8.7	7.3	-2.3	0.8	21.5	16.0	-9.2					
05 12	10.8	2.3	-1.9	13.7	11.1	-8.0	10.0	-10.0	-1.1	8.8	-8.8	0.2	11.3	-8.3	7.6	4.2	3.5	-2.2	5.7	-0.4	3.7	-0.3	3.7	8.1	6.9	4.3	4.2	2.0	-8.2	18.5	6.0	-2.8	5.3	17.6	9.9	14.5	
05 18	11.3	3.9	-1.9	17.4	14.0	-9.8	5.7	-5.6	-0.5	8.1	-8.1	-0.4	8.0	-5.4	5.9	3.6	3.2	-1.5	8.7	8.1	-3.2	9.0	-1.1	8.9	7.9	6.1	4.9	20.3	-7.3	18.9	5.5	-4.1	3.7	13.6	12.7	4.7	
05 24	11.7	2.0	-1.7	17.4	14.0	-9.8	5.7	-5.6	-0.5	8.1	-8.1	-0.4	8.0	-5.4	5.9	3.6	3.2	-1.5	8.7	8.1	-3.2	9.0	-1.1	8.9	7.9	6.1	4.9	20.3	-7.3	18.9	5.5	-4.1	3.7	13.6	12.7	4.7	
06 00	12.7	1.0	-1.7	17.4	14.0	-9.8	5.7	-5.6	-0.5	8.1	-8.1	-0.4	8.0	-5.4	5.9	3.6	3.2	-1.5	8.7	8.1	-3.2	9.0	-1.1	8.9	7.9	6.1	4.9	20.3	-7.3	18.9	5.5	-4.1	3.7	13.6	12.7	4.7	
06 06	18.8	3.0	-10.5	6.5	4.6	-4.7	7.7	6.3	-4.5	13.0	0.3	13.0	5.7	-4.8	0.3	10.0	8.7	-5.0	9.4	-2.3	0.1	5.4	-4.2	10.9	10.4	-3.2	13.3	2.4	13.1	7.9	-7.8	1.3	17.7	16.7	6.0		
06 12	17.3	-1.1	-2.2	6.5	6.0	-2.6	8.6	-8.9	-0.1	6.1	-6.1	-0.2	6.5	-5.6	-0.4	7.3	5.5	-4.8	10.6	10.4	-3.5	1.7	2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7		
06 18	18.8	17.6	-6.6	4.3	-3.9	8.1	-1.9	-1.8	7.8	-8.1	-0.1	7.7	6.1	-7.5	7.1	6.5	-2.9	-12.8	12.9	-3.5	1.7	2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7			
07 00	17.0	16.5	-4.1	2.0	-1.9	11.0	-1.6	-1.6	6.4	-6.4	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7						
07 06	12.6	10.5	-6.5	6.1	-6.5	2.1	-2.2	-0.5	1.9	-6.1	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7						
07 12	14.2	7.9	-11.8	6.6	4.0	-5.1	9.1	-7.4	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
07 18	10.5	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
07 24	14.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
08 00	13.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
08 06	13.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
08 12	13.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
08 18	13.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
08 24	13.7	-1.7	-1.7	11.7	10.7	-1.5	7.8	-7.8	-0.1	7.8	-8.0	-0.2	6.5	-5.6	-0.4	7.3	6.1	-7.5	7.1	-2.0	11.7	11.6	-1.6	15.3	-2.1	15.1	10.0	-9.7	2.2	17.3	16.3	-5.7					
09 00	13.6	-3.5	-2.5	1.3	-2.1	-0.3	2.3	-2.4	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3				
09 06	13.6	-3.5	-2.5	1.3	-2.1	-0.3	2.3	-2.4	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3	2.3	-2.1	-0.3							
09 12	13.6	-3.5	-2.5	1.3	-2.1	-0.3	2.3	-2.																													

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	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	17.1	16.6	4.2	17.0	9.3	14.2	20.7	20.5	2.6	12.1	10.1	6.6	5.3	4.9	-1.9	5.2	-4.1	3.3	9.0	9.0	0.2	8.2	-6.8	-4.7	9.9	-9.8	-1.7	7.8	4.3	-6.6	16.9	2.3	18.7	5.6	25	-5.0												
01 08	14.2	13.3	4.8	23.0	18.1	13.2	23.5	23.8	0.2	14.7	14.5	2.8	4.1	-4.0	-0.9	6.9	-3.5	6.3	5.3	-0.4	7.9	-6.7	-4.3	12.8	-11.7	5.2	14.6	-12.5	4.4	4.4	0.3	4.7	2.3	-4.1	1.7	3.1	3.7	-3.1	1.5									
01 12	13.7	13.4	2.6	20.7	20.7	-0.9	18.0	21.3	7.1	13.1	9.7	-1.8	4.2	-4.1	-0.9	6.4	-3.0	4.5	4.1	7.6	-1.3	-7.5	7.0	-6.0	-3.5	12.8	-12.4	3.0	15.5	14.1	-12.7	12.2	3.6	-4.8	2.8	-2.7	3.1	-3.1	1.5									
01 18	13.7	13.4	2.6	20.7	20.7	-0.9	18.0	21.3	7.1	13.1	9.7	-1.8	4.2	-4.1	-0.9	6.4	-3.0	4.5	4.1	7.6	-1.3	-7.5	7.0	-6.0	-3.5	12.8	-12.4	3.0	15.5	14.1	-12.7	12.2	3.6	-4.8	2.8	-2.7	3.1	-3.1	1.5									
02 00	12.5	11.9	3.8	17.9	17.9	0.1	19.3	17.6	7.9	16.3	13.3	-0.5	3.2	-2.6	-1.9	3.2	-2.8	-1.4	3.8	2.0	-3.2	5.6	-5.0	-2.6	12.1	-11.1	4.8	12.7	11.7	5.0	11.8	-3.9	-11.1	2.9	2.3	-1.6												
02 12	7.7	5.4	-5.5	21.4	19.0	-10.7	11.5	10.8	4.4	19.6	17.7	-8.5	2.9	-0.4	-2.9	1.8	0.0	1.8	3.1	-0.6	3.0	6.8	-5.8	-3.5	8.5	-8.3	-1.8	7.4	7.3	-0.9	10.1	6.0	-8.1	1.0	0.0	-1.0												
02 18	11.4	12	-11.3	19.1	11.7	-15.1	8.2	7.8	3.2	17.8	16.3	-7.2	3.7	3.3	-1.5	4.5	3.0	-3.4	5.9	-2.0	5.5	5.2	-3.9	3.4	6.4	-5.5	-3.3	9.2	9.2	-0.1	9.9	9.5	2.8	3.7	-3.3	-1.7												
03 00	14.0	-5.0	-13.1	12.6	6.4	-10.8	13.3	12.2	5.2	19.3	12.7	-14.5	5.6	5.1	-2.4	7.0	5.4	-4.4	7.7	-2.0	7.4	4.3	-3.1	3.0	8.7	-4.7	-7.4	8.4	8.4	-0.1	7.3	7.2	1.2	4.0	-3.6	-1.8												
03 06	16.0	-4.4	-15.4	9.2	7.7	-5.1	12.3	10.7	6.0	14.5	11.3	-9.1	8.9	8.2	-3.3	6.9	4.0	-5.6	13.8	-3.4	13.4	1.7	-1.7	-0.2	4.9	-0.9	-4.8	6.8	5.8	3.6	5.1	4.4	2.6	6.0	-5.9	0.9												
03 12	14.2	-2.0	-13.8	9.8	0.1	-0.6	3.2	2.5	10.5	9.1	-3.5	11.9	11.4	-4.2	5.3	3.5	-3.8	8.2	-0.2	8.8	1.7	-2.1	2.4	-0.7	3.8	7.4	3.0	6.8	1.7	1.7	3.6	-0.8	6.8	0.2														
03 18	11.9	-1.4	-10.9	10.3	0.6	-0.4	11.8	10.5	0.4	14.5	11.5	-10.4	1.4	1.0	-0.1	12.0	11.3	-0.9	12.0	-0.9	12.0	0.0	-0.9	1.3	1.3	-0.9	12.0	12.0	-0.9	12.0	12.0	-0.9	12.0	12.0	-0.9													
04 00	4.5	-2.9	-3.5	20.3	20.3	3.2	5.0	-1.0	4.9	9.3	9.1	-2.3	10.9	10.6	-2.8	4.5	3.9	-2.2	8.7	8.5	-1.6	2.3	0.1	2.3	12.5	1.6	-0.1	10.6	1.1	-14.3	-9.4	9.1	-0.4	0.0	-0.6													
04 06	3.5	-2.6	-2.3	19.1	19.1	-0.8	3.7	-2.8	2.4	10.0	8.4	-5.4	7.8	7.2	-2.9	5.2	5.0	-1.4	8.5	7.5	-4.1	1.6	0.1	1.6	19.4	11.0	16.1	12.6	2.4	12.4	-18.7	-11.4	-14.8	8.8	-8.6	1.7												
04 12	4.2	-3.6	-2.3	20.0	19.9	-2.4	3.3	2.7	2.0	13.6	4.7	-12.8	5.8	5.7	-3.7	4.5	3.5	-0.4	13.1	12.1	-5.1	5.8	-3.8	-2.3	-3.0	-18.0	6.8	16.7	10.3	3.6	9.5	-17.3	9.8	-9.8	1.3													
04 18	2.6	-2.0	-1.7	19.0	18.4	-4.7	6.1	5.8	-2.1	13.2	10.7	-7.7	5.7	2.8	-4.9	3.3	2.9	1.5	15.4	15.1	-3.1	3.7	-3.0	-2.2	14.8	-1.1	14.7	8.7	2.5	8.3	-14.8	12.5	-12.4	1.7														
05 00	1.6	0.6	1.3	20.4	15.0	-1.3	10.8	13.8	-0.5	12.7	14.5	-1.6	11.4	12.0	-1.2	10.3	10.0	-0.9	10.4	-0.4	10.4	0.1	0.1	1.4	1.4	-0.7	14.5	-0.7	-14.5	11.2	-11.1	0.8																
05 06	1.9	-1.7	0.9	18.0	13.1	-1.3	13.6	1.6	0.8	11.4	8.1	-8.0	4.5	2.8	-3.5	3.1	2.8	1.2	15.1	14.3	-4.7	5.5	-2.6	4.9	-7.8	3.9	6.8	10.3	2.1	-12.6	12.9	-12.9	0.4															
05 12	4.4	-2.2	4.4	16.0	12.7	-4.0	12.7	4.0	-1.2	3.8	8.5	-7.6	4.3	2.8	-3.3	3.1	1.3	0.7	17.0	12.9	-4.9	4.7	-4.1	4.6	-1.1	1.6	9.1	0.9	-9.5	11.3	-11.3	0.9																
05 18	5.0	-1.0	5.8	18.0	13.1	-1.3	13.6	1.6	0.8	11.4	8.1	-8.0	4.5	2.8	-3.3	3.1	1.3	0.7	17.0	12.9	-4.9	4.7	-4.1	4.6	-1.1	1.6	9.1	0.9	-9.5	11.3	-11.3	0.9																
05 24	7.5	-1.4	10.9	10.3	0.6	-0.1	14.5	11.5	0.1	14.5	11.5	-1.3	7.4	7.4	-0.1	14.5	11.5	-0.1	14.5	-0.1	14.5	0.0	-0.1	14.5	11.5	-0.1	14.5	11.5	-0.1	14.5	11.5	-0.1																
06 00	8.9	5.2	7.2	17.4	17.1	-3.4	14.6	2.0	4.4	8.7	7.4	-4.6	4.6	9.1	-7.9	4.6	1.0	-0.1	8.2	8.1	-1.6	3.2	3.1	0.8	0.9	0.4	8.5	5.4	-1.9	14.9	12.7	-7.8	7.8	-2.7														
06 12	9.6	6.7	6.8	21.8	21.4	-4.1	12.6	2.0	12.4	8.4	7.3	-4.7	11.2	7.4	-3.3	8.3	1.0	-0.7	6.0	7.0	0.2	3.3	3.3	0.0	1.3	0.8	-1.1	3.9	2.6	-2.9	11.8	3.3	-3.5	8.5	4.0													
06 18	9.0	4.9	7.6	20.3	19.8	-4.1	10.7	4.8	9.5	10.5	7.7	10.5	7.6	-1.1	10.5	6.3	-0.6	1.0	1.0	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
07 00	6.1	3.4	5.1	28.4	27.8	-5.5	9.8	8.0	2.7	11.2	10.7	-7.7	6.0	5.8	-4.6	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
07 06	3.7	-3.1	2.1	27.5	25.5	-9.1	11.1	3.2	2.7	11.2	10.7	-7.7	6.0	5.8	-4.6	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
07 12	2.7	-2.2	-1.5	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
07 18	1.7	-1.2	1.5	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 00	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 06	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 12	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 18	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 24	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
08 30	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6												
09 00	1.0	-0.5	0.6	19.8	18.7	-5.8	4.8	4.7	1.0	16.1	12.8	-9.7	9.6	9.1	-4.0	3.0	3.1	0.2	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0																					

Spis tablic

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Dzien/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	9.8	4.3	8.8	12.6	5.6	-11.3	23.9	22.9	-6.6	5.9	5.8	-0.7	8.6	-4.0	7.6	5.5	0.9	5.4	1.9	-1.6	1.0	9.6	9.3	2.3	5.5	-5.1	-2.3	8.4	-8.1	2.3	13.3	12.3	5.0	3.7	-3.7	0.1												
01 06	7.9	6.1	5.1	23.3	10.2	-6.9	20.9	20.5	-4.1	2.3	-0.3	2.3	8.6	-4.3	7.5	3.5	1.4	3.2	3.3	0.7	3.2	8.0	-8.0	-0.4	5.4	-5.2	-1.7	8.6	-8.1	2.8	8.1	6.0	3.9	-3.8	0.8													
01 12	6.1	5.9	1.6	17.2	16.1	-6.1	17.8	17.7	-1.6	5.7	-5.6	1.0	9.7	-5.7	7.9	3.3	-0.3	0.5	3.4	0.8	5.3	-5.0	-1.1	6.2	-5.5	-2.9	8.8	-8.2	2.3	3.5	-3.5	0.4	3.2	-3.0	-1.0													
01 18	6.1	5.9	1.6	17.2	16.1	-6.1	17.8	17.7	-1.6	5.7	-5.6	1.0	9.7	-5.7	7.9	3.3	-0.3	0.5	3.4	0.8	5.3	-5.0	-1.1	6.2	-5.5	-2.9	8.8	-8.2	2.3	3.5	-3.5	0.4	3.2	-3.0	-1.0													
02 00	12.8	5.9	11.4	15.6	15.5	-1.4	16.7	13.2	-10.2	8.9	-8.9	0.5	7.7	-2.4	7.3	5.9	5.3	-2.5	3.1	1.9	-2.5	1.3	-1.1	-0.7	4.4	-3.2	-3.0	9.0	-8.4	3.1	9.5	-9.8	-2.9	2.2	0.5	2.2	-2.2											
02 06	15.0	3.7	14.5	14.7	14.3	3.4	14.1	14.0	0.9	10.1	-9.9	1.8	6.8	-1.6	6.6	6.5	6.2	-2.2	3.3	-3.3	-4.1	5.4	5.3	1.0	3.2	-3.1	0.8	10.8	-10.3	3.5	6.0	5.0	-3.3	-1.0	0.9													
02 12	14.5	4.3	13.9	14.8	12.8	7.4	19.1	10.2	16.1	11.3	-10.8	3.2	7.1	-2.7	6.6	5.8	5.8	-0.4	6.8	3.7	-5.8	6.7	6.6	1.1	-3.6	-0.6	12.1	-11.0	3.7	7.0	5.9	-3.8	3.1	2.8	-1.3													
02 18	14.3	4.0	13.7	17.8	15.3	12.6	10.6	5.5	13.3	-12.7	3.8	5.5	0.0	5.5	5.0	2.6	4.3	6.8	4.0	-5.3	5.2	5.1	-1.1	3.3	-3.7	4.0	0.8	12.6	-11.4	5.1	8.4	7.9	-2.8	3.1	2.7													
03 00	13.5	5.2	12.5	15.3	10.3	11.3	10.9	-1.7	14.0	-12.6	6.3	2.9	-0.6	2.8	8.8	1.6	8.0	7.0	6.3	-3.7	5.1	3.6	-3.6	4.1	0.8	12.5	-11.8	4.0	8.5	11.8	-2.0	3.6	3.2															
03 06	16.3	5.2	15.4	15.8	10.2	12.1	10.4	10.2	2.0	17.0	-13.6	11.0	2.8	0.1	2.7	11.1	2.2	10.9	6.8	6.6	-1.7	6.2	3.7	-5.0	5.0	-4.2	2.7	13.2	-12.1	5.3	5.7	4.2	3.9	4.6	4.1	2.0												
03 12	17.4	9.7	14.5	11.5	9.0	7.3	13.4	6.7	11.8	19.1	-11.4	15.3	1.1	1.0	4.4	5.8	5.0	2.9	6.9	6.3	-3.3	5.1	0.7	-4.9	2.8	12.7	-10.4	6.7	6.7	-1.6	6.5	5.6	5.6	4.1	2.0													
03 18	23.2	10.5	20.7	8.1	5.7	-5.8	9.1	8.6	22.7	-1.5	20.2	1.0	0.0	6.0	6.0	-0.3	6.9	6.1	-3.2	4.1	2.8	-3.0	5.8	-4.1	4.2	10.9	-8.7	6.7	6.2	1.4	6.0	7.5	6.9	3.0	2.0													
03 24	18.7	10.5	18.2	13.2	12.7	10.4	13.3	19.3	19.2	1.7	-0.7	1.7	-0.2	-1.7	6.2	2.6	7.1	5.9	0.0	9.4	6.4	7.7	4.7	5.5	1.1	-0.2	1.5	13.5	-13.4	7.1	3.2	6.4	4.8	4.8	6.1	2.0												
04 00	19.7	18.2	13.3	12.7	10.4	13.3	19.3	19.2	1.7	-0.7	1.7	-0.2	-1.7	6.2	2.6	7.1	5.9	0.0	9.4	6.4	7.7	4.7	5.5	1.1	-0.2	1.5	13.5	-13.4	7.1	3.2	6.4	4.8	4.8	6.1	2.0													
04 06	15.0	12.7	14.5	14.7	14.3	14.1	14.0	0.9	10.1	-9.9	1.8	6.8	-1.6	6.6	6.5	6.2	-2.2	3.3	-3.3	-4.1	5.4	5.3	1.0	3.2	-3.1	0.8	10.8	-10.3	3.5	6.0	5.0	-3.3	-1.0	0.9														
04 12	14.2	12.7	14.5	14.7	14.3	14.1	14.0	0.9	10.1	-9.9	1.8	6.8	-1.6	6.6	6.5	6.2	-2.2	3.3	-3.3	-4.1	5.4	5.3	1.0	3.2	-3.1	0.8	10.8	-10.3	3.5	6.0	5.0	-3.3	-1.0	0.9														
04 18	20.1	19.2	6.1	19.9	19.5	3.9	26.0	25.3	5.9	5.3	3.3	4.9	9.1	-2.1	-8.8	5.5	5.3	-1.2	6.6	6.0	-2.7	9.6	8.8	-3.8	11.5	-9.5	9.7	6.1	11.7	5.6	10.3	7.7	3.6	6.9	3.0													
05 00	17.1	12.6	11.5	18.0	17.9	-2.1	15.1	13.1	-7.6	9.8	8.0	5.6	10.5	-1.3	-10.6	5.5	5.3	-0.7	6.6	6.0	-2.7	12.6	10.8	-6.4	11.6	-10.4	9.6	4.4	8.4	4.7	3.8	4.0	8.0															
05 06	16.6	11.8	11.7	17.8	17.7	-1.6	11.3	10.9	-0.3	10.9	8.0	7.4	12.2	-1.5	-12.1	6.2	6.0	-1.2	1.4	1.2	1.1	11.7	-2.4	-11.7	11.4	-12.4	11.1	-11.1	12.7	-10.7	10.7	2.7	10.7	10.7														
05 12	19.3	14.8	20.0	12.4	12.0	-9.4	9.8	9.3	0.0	8.4	6.4	5.4	11.8	-1.0	-2.1	1.0	2.1	-0.1	11.3	11.2	-0.8	11.3	-11.2	11.1	11.1	12.6	-11.1	11.1	11.1	11.1	11.1	11.1																
05 18	20.6	18.1	9.9	19.9	19.4	-2.5	2.7	2.6	-0.4	5.8	3.8	4.4	10.0	-9.3	-9.6	8.2	-2.8	2.4	1.4	1.0	1.1	10.6	-12.8	-2.8	12.8	-15.4	15.8	15.8	15.0	10.5	10.5	10.5																
06 00	16.0	13.8	8.0	17.2	15.9	-1.5	6.7	7.3	0.4	7.3	8.1	7.9	9.1	-0.2	-9.8	6.4	6.3	-0.6	12.1	12.0	-6.9	9.2	-9.2	12.1	-12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1																
06 06	12.6	10.1	7.5	6.4	5.5	-1.1	7.2	6.9	-0.1	6.1	6.2	6.7	7.5	-0.1	-7.5	6.2	6.1	-0.1	13.4	13.3	-10.6	10.6	-0.1	13.4	-13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3																
06 12	4.9	7.1	4.5	1.4	15.5	15.1	-3.5	1.6	-1.5	13.5	12.5	12.5	12.5	-0.1	-12.5	12.5	12.5	-0.1	13.5	13.4	-12.5	12.5	-0.1	13.5	-13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4																
06 18	5.3	-0.4	16.3	16.8	1.0	12.6	-1.5	12.5	7.4	-7.0	4.3	4.2	1.1	7.3	-0.8	6.8	6.2	-0.5	13.7	13.6	-12.5	12.5	-0.5	13.7	-13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6																
07 00	10.7	10.6	-1.1	7.1	7.0	0.9	10.9	10.5	-3.1	2.0	0.7	1.9	17.7	-1.6	16.6	6.5	6.2	-0.4	13.2	13.1	-11.9	11.8	-1.6	17.7	-15.5	10.5	-8.6	13.1	-10.5	7.5	-10.7	7.8	-1.5	7.7	-7.7													
07 06	12.1	12.1	1.3	10.7	10.4	2.6	2.5	5.3	4.4	2.2	1.7	1.1	17.6	-3.9	16.8	3.0	2.9	-0.3	13.2	13.1	-12.4	12.4	-0.3	13.2	-13.1	13.1	-13.1	13.1	13.1	13.1	13.1	13.1	13.1															
07 12	11.9	7.9	8.9	11.3	8.9	7.0	13.5	-1.3	15.3	5.5	0.1	15.0	13.0	0.0	10.5	-3.6	9.9	10.1	10.1	0.2	13.8	12.5	-12.5	12.5	-0.2	13.8	-13.5	13.5	-13.5	13.5	13.5	13.5	13.5	13.5	13.5													
07 18	15.3	7.2	13.5	11.0	7.2	7.8	7.8	12.0	-1.2	12.0	5.5	3.7	1.1	12.0	-0.8	12.0	5.5	5.2	-0.7	12.0	11.8	-12.0	12.0	-0.7	12.0	-12.0	12.0	-12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0													
08 00	18.8	16.8	1.1	19.1	17.7	-1.1	19.4	17.7	-0.3	9.9	8.0	7.2	13.0	-1.2	12.9	5.5	5.3	-0.1	12.9	12.8	-12.9	12.8	-0.1	12.9	-12.9	12.9	-12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9													
08 06	10.9	9.3	-0.4	18.5	18.2	-0.1	18.5	18.2	-0.1	18.5	18.2	18.2	18.2	-0.1	-18.2	18.2	18.2	-0.1	18.2	18.1	-18.2	18.1	-0.1	18.2	-18.2	18.2	-18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2													
08 12	12.5	11.8	4.1	19.1	19.1	-0.1	19.1	19.1	-0.1	19.1	19.1	19.1	19.1	-0.1	-19.1	19.1	19.1	-0.1	19.1	19.0	-19.1	19.0	-0.1	19.1	-19.1	19.0	-19.1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0												
08 18	12.5	11.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2													
08 24	12.5	11.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2												
09 00	8.8	-3.8	-1.3	17.2	16.9	-2.9	16.9	16.9	-2.9	16.9	16.9	16.9	16.9	-2.9	-16.9	16.9	16.9	-2.9	16.9	16.8	-16.9	16.8	-2.9	16.8	-16.9	16.8	-16.9	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8											
09 06	5.0	-4.7	-1.6	13.9	13.7	-1.1	13.9	13.7	-1.1	13.9	13.7	13.7	13.7	-1.1	-13.7	13.7	13.7	-1.1	13.7	13.6	-13.7	13.6	-1.1	13.7	-13.6	13.6	-13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6											
09 12	8.6	3.4	-0.9	10.4	9.0	-5.2	10.4	9.0	-5.2	10.4	9.0	9.0	9.0	-5.2	-10.4	9.0	9.0	-5.2	10.4	10.3	-10.4	10.3	-5.2	10.4	-10.3	10.3	-10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3											
09 18	9.6	9.0	-3.3	4.9	-4.1	4.6	11.1	-4.9	4.6	11.1	10.6	9.0	5.5	3.7	7.5	6.8	6.8	3.7	7.5	7.4	2.1	10.8	-10.8	2.1	10.8	-10.8	10.8																					

Spis tablic

1999

Dzierżawica			Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec		
V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v	V	u	v			
01 00	9.9	1.7	9.7	9.5	-9.1	-2.9	17.7	14.2	10.6	4.1	-4.0	-0.6	11.6	9.3	-6.3	3.4	-0.9	-3.3	2.6	1.3	2.3	5.4	-5.2	-1.5	1.4	1.4	-0.3	13.4	9.7	9.2	16.6	14.6	-2.9	31.8	31.8	-1.2		
01 06	9.2	0.2	9.2	7.1	5.9	-3.9	18.7	17.2	7.3	5.1	-5.1	-0.6	8.4	6.5	-5.4	2.0	1.0	-1.7	1.3	0.2	5.7	-5.7	-0.8	2.9	-1.4	-0.5	17.1	15.5	7.2	14.8	14.8	-0.4	33.6	33.6	-9.2			
01 12	6.8	0.4	6.7	6.8	4.2	-5.4	15.9	15.3	4.1	6.0	-5.9	-1.1	6.8	4.8	-4.8	1.6	1.6	0.1	1.8	-0.2	-1.7	7.4	-7.3	-1.2	8.1	-4.9	-6.5	16.9	16.0	5.4	28.8	27.3	-9.3					
01 18	5.1	0.0	5.1	7.1	3.7	-6.0	9.9	8.4	5.2	6.0	-5.9	-1.1	5.7	3.1	-4.8	3.8	3.8	0.1	2.3	0.4	-2.3	6.3	-6.3	-1.0	7.0	20.2	-0.2	-0.1	13.5	10.5	8.4	25.7	23.0	-11.4				
02 00	5.4	-0.5	5.3	8.2	3.6	-7.3	14.2	10.6	9.4	5.1	-4.7	-0.2	8.3	7.4	-3.6	7.5	4.5	-0.2	-2.5	2.0	0.9	-2.3	6.1	-5.8	-0.2	8.5	-5.9	-6.5	20.1	19.7	3.6	14.5	10.7	9.8				
02 06	6.9	-0.2	6.9	9.0	2.3	-8.7	19.9	18.4	7.6	4.6	-4.1	-2.1	6.8	2.9	-6.1	4.7	4.5	3.3	1.5	1.5	0.4	6.0	5.9	-1.0	8.3	-6.3	-5.8	18.2	12.2	12.9	14.7	14.1	4.1	20.0	20.0	-4.4		
02 12	8.5	-0.6	8.4	6.8	6.0	-1.9	17.9	17.6	5.5	6.3	-4.4	-0.4	3.4	-0.4	-0.4	3.3	3.3	-2.0	3.2	1.5	0.5	6.0	-6.3	-3.1	5.2	-5.4	-2.1	18.5	14.2	12.3	20.2	16.0	-2.0	26.1	26.1	-1.2		
02 18	6.5	-0.1	6.5	6.8	4.6	-2.1	12.1	12.5	5.3	5.3	-5.2	-0.2	6.5	0.4	-5.1	5.1	5.1	-0.1	2.2	2.2	0.5	5.4	-5.4	-0.1	5.2	-5.2	-0.1	22.4	-1.5	-0.1	18.4	-1.5	-0.1	28.4	28.4	-0.1		
03 00	9.0	1.3	8.9	8.6	8.8	-3.0	7.8	7.0	5.1	5.0	-5.1	-0.6	8.1	0.3	-2.5	2.8	2.8	1.1	0.3	8.5	-5.5	-0.7	4.6	-4.6	-0.3	16.6	16.6	2.2	13.8	9.5	101	105	9.9	16.7	16.7	-3.4		
03 06	9.3	2.7	8.9	17.0	13.7	-10.1	15.6	0.2	15.6	4.5	-3.5	-2.8	4.2	1.4	4.0	9.3	-1.3	9.2	7.3	6.8	-2.7	4.9	4.8	-0.6	2.1	1.8	0.1	12.0	7.7	9.2	13.2	11.0	-7.3	18.1	17.0	6.2		
03 12	10.2	3.3	9.7	16.4	8.0	-14.3	12.4	1.5	12.3	3.3	-1.9	-2.7	2.1	0.4	2.1	4.2	2.4	3.5	5.8	-5.8	-0.5	5.4	-5.4	0.0	1.1	0.3	6.6	5.5	3.5	14.5	13.0	-6.5	14.8	14.7	-10.7			
03 18	8.4	3.1	7.8	12.3	6.1	-10.7	9.6	1.7	9.5	3.2	-1.4	-2.9	3.2	-2.9	-1.4	5.6	5.6	-0.6	5.4	3.6	4.0	3.9	-3.9	0.2	1.5	0.0	1.5	4.3	3.4	12.7	11.3	-5.7	34.0	31.5	10.1			
04 00	6.1	5.2	3.1	10.3	10.0	-2.3	7.2	2.4	6.8	2.6	-2.1	-1.6	5.5	-4.9	-2.6	6.2	6.1	1.0	9.9	2.4	9.7	2.4	-2.4	0.5	2.5	1.7	1.9	5.5	4.2	3.5	10.8	10.3	-3.4	34.0	34.0	6.5		
04 06	7.0	4.9	17.8	17.7	-1.6	9.6	0.0	9.6	1.0	-0.6	5.5	-5.4	-1.0	7.1	8.0	6.1	9.0	1.3	1.2	-0.4	2.2	1.2	1.1	1.9	7.1	5.3	8.5	8.3	-2.0	44.1	41.1	-6.0						
04 12	13.3	7.5	11.0	25.9	24.9	-7.3	13.4	-5.5	12.7	5.8	-5.8	-0.1	5.1	4.9	1.3	7.6	0.7	3.8	-1.9	-0.5	1.3	0.2	1.1	1.0	8.7	6.7	8.1	-0.5	30.5	27.8	-12.7	27.7	27.7	-1.2				
04 18	18.6	1.0	10.3	17.8	17.7	-1.6	10.7	2.1	9.9	0.2	-0.7	-1.9	10.7	9.8	-0.1	5.1	4.9	1.3	7.6	0.7	3.8	-1.9	-0.5	1.3	0.2	1.1	1.0	8.7	6.7	8.1	-0.5	30.5	27.8	-12.7	27.7	27.7	-1.2	
04 24	22.1	-2.2	22.8	27.8	10.6	-9.9	8.8	7.0	5.1	5.0	-5.1	-0.6	8.1	0.3	-2.5	2.8	2.8	1.1	0.3	8.5	-5.5	-0.7	4.6	-4.6	-0.3	0.2	0.2	0.1	2.5	1.4	0.5	2.4	2.4	-1.5				
05 00	5.3	4.7	3.6	11.1	12.1	-4.2	11.2	4.3	10.3	1.7	-0.3	-1.7	6.8	6.6	-1.4	8.3	5.6	6.1	6.8	0.8	6.8	2.3	1.1	2.1	5.5	-1.6	5.3	5.9	5.9	0.9	27.5	27.5	8.0	4.5	4.5	8.0		
05 12	21.1	20.5	-5.2	28.8	24.6	-14.6	14.6	1.2	13.3	3.9	-3.7	-2.7	12.7	7.5	-0.6	11.4	1.9	11.3	14.5	-1.6	14.4	2.8	0.7	2.7	6.4	-0.5	4.8	11.1	9.1	11.0	2.7	6.6	0.1					
05 18	10.0	10.0	-0.2	20.5	17.8	-10.2	13.6	-7.6	7.1	1.3	-0.9	-1.6	10.1	6.1	-0.5	10.9	2.6	10.6	1.3	-0.2	13.3	1.0	1.3	0.2	1.3	0.1	1.3	0.1	1.3	0.1	1.3	0.1	1.3	0.1	1.3			
05 24	9.5	8.2	8.4	15.1	12.3	-8.8	13.2	-9.8	9.2	8.7	-10.7	-10.6	10.6	8.1	-0.9	10.6	2.1	10.5	1.0	-0.1	12.1	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
06 00	8.2	8.8	8.4	15.1	12.3	-8.8	13.2	-9.8	9.2	8.7	-10.7	-10.6	10.6	8.1	-0.9	10.6	2.1	10.5	1.0	-0.1	12.1	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
06 06	11.2	9.9	5.3	13.9	13.7	-4.7	14.0	-1.3	13.3	2.0	-2.3	-2.2	13.0	12.0	-1.1	13.0	2.0	12.9	1.9	-0.1	13.0	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
06 12	15.0	9.2	9.0	15.0	12.3	-8.0	12.0	-2.2	11.6	8.1	-0.1	-1.0	11.6	3.1	-0.3	11.6	3.1	11.5	3.0	-0.1	11.6	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
06 18	11.4	2.1	2.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
06 24	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
07 00	5.7	-0.5	5.6	5.3	3.9	-1.1	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
07 06	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
07 12	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
07 18	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
07 24	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
08 00	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
08 06	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
08 12	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
08 18	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
08 24	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
09 00	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
09 06	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1	1.2	0.1						
09 12	12.1	1.2	1.0	3.5	1.5	-12.4	15.4	-1.1	15.3	1.0	-0.9	-0.8	15.3	1.0	-0.9	15.3	1.0	15.2	0.9	-0.1	15.3	0.7</td																

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Dzień/Godzina	Jan	V	u	v	Feb	V	u	v	Mar	V	u	v	Apr	V	u	v	May	V	u	v	Jun	V	u	v	Jul	V	u	v	Aug	V	u	v	Sep	V	u	v	Oct	V	u	v	Nov	V	u	v	Dec	V	u	v
01 00	4.5	4.4	1.2	15.0	14.9	-2.3	18.8	7.3	17.3	4.2	3.9	-1.7	8.9	7.9	4.1	5.6	5.0	-2.7	13.3	7.7	10.9	8.5	7.9	-3.1	2.3	0.8	-2.1	15.2	-5.9	14.1	11.8	9.9	6.5	10.3	1.0	-1.2												
01 08	6.0	4.9	2.7	10.8	10.4	-3.1	19.4	11.1	15.8	5.9	5.9	-1.3	11.8	-10.8	5.1	5.1	4.9	1.5	13.3	5.1	12.3	8.4	7.8	-3.2	1.8	1.3	-1.3	17.3	-4.6	16.9	11.4	9.8	5.8	8.3	0.1	-1.1												
01 12	6.2	5.9	2.0	12.8	12.5	-3.1	16.0	15.8	-2.0	2.7	4.2	4.7	2.2	11.2	-10.8	3.0	9.9	3.6	9.3	1.6	2.1	5.3	-1.3	1.7	4.3	0.1	-1.4	13.7	-1.6	13.3	11.4	9.8	6.5	10.7	1.2	-1.2												
01 18	8.3	5.9	6.1	13.4	12.9	-3.5	16.0	15.8	-2.0	2.7	4.2	4.7	2.2	11.2	-10.8	3.0	9.9	3.6	9.3	1.6	2.1	5.3	-1.3	1.7	4.3	0.1	-1.4	13.7	-1.6	13.3	11.4	9.8	6.5	10.7	1.2	-1.2												
02 00	7.6	6.5	3.9	20.3	20.0	-3.5	17.7	17.5	-2.3	5.8	3.4	4.7	8.6	-7.8	3.7	13.3	6.4	11.7	4.6	3.1	-3.3	7.8	6.0	4.9	8.3	-0.1	8.3	12.9	-0.9	12.9	14.0	6.2	12.6	7.8	4.1	6.6												
02 12	11.4	11.4	1.3	16.7	15.7	-5.6	15.5	14.0	-6.5	6.7	6.7	-0.8	6.7	8.1	-6.2	5.2	13.1	12.4	4.2	7.7	4.9	5.9	5.5	2.7	4.8	11.1	-0.3	11.1	13.0	-0.6	13.9	9.6	8.3	4.9	6.9	6.9	0.5											
02 18	16.0	15.7	-2.8	17.9	16.9	-5.9	13.6	13.5	1.0	5.9	-0.6	5.9	5.3	-3.3	4.1	10.5	10.4	0.3	6.5	5.0	-4.1	2.8	1.3	2.5	10.5	2.5	10.2	8.7	5.0	7.1	10.8	3.7	10.2	5.8	5.6	-1.2												
03 00	15.5	13.7	-7.2	21.1	19.0	-9.1	20.8	15.2	14.2	5.2	0.1	5.2	3.1	0.4	3.1	10.3	9.6	-3.7	7.8	6.2	-4.8	5.5	5.4	-0.7	10.8	3.6	10.2	9.8	-1.1	15.9	0.7	15.9	3.6	3.6	0.4													
03 06	9.2	8.7	-2.8	12.6	10.9	-6.8	30.3	21.6	21.3	7.6	-0.5	7.5	3.1	1.0	3.0	9.5	6.5	-6.9	8.4	5.8	-6.0	10.2	9.3	-4.1	9.8	3.3	8.5	8.0	-3.2	15.1	-0.1	15.1	3.7	2.3	2.9													
03 12	10.1	9.4	3.5	11.7	3.7	3.2	27.1	25.5	9.7	10.3	-3.7	9.8	2.7	1.3	2.0	8.2	3.6	-7.3	6.2	3.9	4.8	8.8	1.5	5.5	5.2	4.0	-1.6	12.8	0.8	12.8	5.3	5.4	5.4															
03 18	12.6	11.4	1.5	17.5	17.4	-5.7	14.9	14.5	1.0	5.9	-0.7	5.9	3.0	0.7	3.0	9.1	5.1	-1.3	12.7	1.3	-1.3	5.5	1.5	1.5	-0.9	1.3	2.1	11.4	-0.4	11.4	11.4	11.4	0.5															
04 00	14.6	14.6	-0.3	12.2	10.8	-5.6	28.4	28.5	-7.0	14.3	-5.9	13.0	1.5	0.6	1.4	5.3	3.7	-3.8	1.4	1.4	-0.3	4.7	4.7	0.6	-0.5	9.5	-1.1	9.4	6.9	6.8	1.3																	
04 06	15.7	15.0	-4.8	18.2	18.2	0.0	23.2	22.0	-5.2	13.2	2.7	-1.8	2.0	2.2	0.5	1.1	1.9	-0.7	1.8	3.6	3.5	-0.9	10.3	1.1	-1.0	2.2	0.1	9.9	4.4	1.8	4.0	10.3	9.6	3.6	8.6													
04 12	19.5	17.1	-9.5	24.0	24.0	1.4	17.5	14.7	-9.5	12.2	-3.5	11.7	4.8	-0.7	0.9	6.8	6.1	3.0	4.6	3.8	2.5	4.0	3.5	-1.0	12.8	1.3	-12.7	2.5	-0.7	2.5	4.1	3.9	-1.1	10.0	9.8	-2.2												
04 18	15.5	15.1	-3.6	19.3	19.2	-2.7	13.7	12.5	-5.6	9.1	1.3	9.0	5.6	-5.3	2.0	6.5	9.2	6.4	1.2	7.3	6.8	2.8	4.3	3.9	-1.1	11.5	2.6	-11.2	3.3	-1.2	3.1	4.1	3.8	-1.6	8.4	7.7	3.4											
05 00	11.1	9.2	9.2	6.2	14.7	12.8	-7.4	17.6	7.6	3.9	4.3	-2.5	3.4	-0.5	6.9	5.2	-4.5	5.7	5.1	-2.5	1.5	4.6	4.6	-0.7	1.7	3.3	3.2	0.6	-3.2	9.1	5.7	7.1																
05 06	6.8	4.1	5.3	9.8	5.9	-7.1	13.9	11.7	-7.6	6.6	6.3	-2.1	3.3	-1.1	4.4	4.4	-0.7	8.2	4.0	7.1	5.1	4.2	-2.8	7.3	4.9	-5.5	5.1	-2.1	4.7	4.0	2.4	-3.3	8.1	4.8	6.5													
05 12	7.2	4.0	-5.9	7.2	6.5	-2.7	12.8	10.1	-7.8	10.8	-0.2	10.8	3.3	-0.3	3.3	6.2	6.1	1.3	4.0	3.3	3.3	4.8	3.3	-0.7	1.5	2.7	4.2	4.0	-2.7	4.2	11.3	1.1	-2.0	7.1	5.4	4.6												
05 18	6.4	4.8	-5.8	9.7	9.7	-3.1	13.6	12.8	-7.6	10.4	-0.6	10.7	2.7	-0.2	10.7	6.8	1.7	4.8	3.3	4.3	6.0	3.3	-0.7	1.4	2.2	4.3	6.0	-3.2	5.1	10.6	1.6	-1.6	4.1	5.7														
05 24	6.0	5.9	-0.5	12.9	12.8	-3.2	16.8	16.7	-8.4	10.9	-0.6	10.9	0.9	-0.3	10.9	6.0	1.3	4.0	3.3	4.3	6.0	3.3	-0.7	1.4	2.2	4.3	6.0	-3.2	5.1	10.6	1.6	-1.6	4.1	5.7														
06 00	10.7	9.2	5.6	14.8	14.7	-2.3	11.2	10.8	-5.6	12.8	-0.1	12.8	1.2	-0.1	12.8	1.1	-5.6	5.1	5.1	-2.7	1.0	1.1	5.6	5.1	-0.5	11.4	0.9	9.9	2.9	9.5																		
06 12	14.6	11.8	8.7	15.0	14.2	-5.0	23.7	23.7	0.8	12.9	-2.9	12.6	6.6	-6.6	-0.1	10.3	7.7	6.9	8.2	2.6	7.7	6.1	5.4	-2.8	6.7	1.7	6.5	2.6	-1.6	16.3	8.7	4.3	8.3	8.3														
06 18	15.3	13.2	7.8	10.2	9.9	-9.3	23.3	23.3	0.8	12.9	-3.4	12.6	6.6	-6.6	-0.1	10.3	7.7	6.9	8.2	2.6	7.7	6.1	5.4	-2.8	6.7	1.7	6.5	2.6	-1.6	16.3	8.7	4.3	8.3	8.3														
07 00	7.6	-0.2	15.3	15.1	-2.4	7.6	7.6	-3.5	4.6	-0.9	4.5	-0.5	5.5	-5.6	1.4	5.5	5.1	-2.0	4.9	4.8	9.0	8.5	-3.0	10.3	1.2	-1.7	9.1	8.8	1.2	-1.6	8.1	8.2	1.2	-1.6	8.2	8.1	8.2											
07 12	10.1	10.1	-0.3	14.4	14.8	-2.1	20.6	16.8	3.9	1.6	3.9	-0.3	12.7	2.3	-0.1	13.7	3.1	-5.5	5.0	-2.4	10.5	7.4	-1.7	12.7	2.2	-1.2	3.1	2.1	-1.1	19.9	9.2	9.2	6.6	6.6														
07 18	10.9	10.7	2.1	17.4	17.3	-9.1	14.7	14.1	-3.7	3.0	1.1	-2.8	3.7	-0.1	14.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1										
07 24	14.3	14.0	2.8	14.7	14.7	-2.1	13.3	13.3	0.3	3.4	-1.9	1.1	1.1	-0.1	14.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1											
08 00	12.9	12.1	3.1	15.0	12.0	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-1.1	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
08 12	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
08 18	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
08 24	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
09 00	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
09 06	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
09 12	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8	8.3																	
09 18	12.6	12.5	3.1	15.2	15.2	-8.8	8.8	8.8	0.9	7.0	-4.5	5.5	5.5	-0.5	11.1	10.8	-2.5	18.9	19.9	-7.4	12.0	3.5	5.6	5.6	-0.5	10.7	8.1	11.1	9.9	7.8																		

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Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	u	v	V	u	v
01 00	13.6	11.1	-8.0	4.4	-2.3	-3.7	8.8	-1.3	8.7	10.1	8.1	6.1
01 08	10.5	9.8	-4.1	2.2	-1.9	-1.2	11.4	-4.0	10.7	12.2	11.5	5.4
01 12	5.7	5.3	-2.5	1.1	-1.9	-1.1	11.4	-4.0	10.7	12.2	11.5	5.4
01 18	14.8	4.6	14.0	6.3	-5.7	-2.6	8.6	-2.0	8.4	8.0	7.9	-0.9
02 00	15.6	3.4	15.2	7.0	-6.4	-2.8	5.2	1.9	4.8	8.4	7.9	-3.0
02 12	10.7	2.8	10.3	6.4	-4.2	-4.7	4.5	4.2	1.6	4.6	4.6	-0.1
02 18	9.6	3.1	9.1	3.4	-3.4	-0.2	5.1	5.1	0.5	3.7	2.6	2.7
03 00	10.0	4.4	9.0	4.4	-4.4	0.8	4.2	4.1	-0.6	6.5	3.0	5.8
03 06	10.4	3.0	10.0	3.1	-3.1	-0.1	1.0	0.9	0.2	11.2	1.3	11.2
03 12	10.3	2.9	9.5	2.8	-2.8	-1.1	5.3	-3.4	-0.3	10.5	2.0	10.2
03 18	5.9	4.0	5.6	4.8	-4.8	-0.4	3.4	-0.4	-0.9	10.5	1.5	10.5
04 00	5.9	5.8	1.3	5.9	-4.2	-4.2	3.8	-2.0	-3.2	9.4	7.6	-5.5
04 06	5.7	5.1	2.4	5.3	-5.0	-1.6	2.2	-2.1	-0.6	3.5	3.2	1.5
04 12	7.2	3.4	6.3	4.3	-4.5	-1.7	8.2	-8.2	-0.1	10.4	-1.1	10.3
04 18	11.0	0.8	11.0	1.8	-0.9	1.6	12.4	-12.3	-1.4	15.7	-3.7	15.7
05 00	13.4	0.5	13.4	5.8	-2.4	5.3	10.2	-10.5	-2.1	11.2	0.3	11.2
05 06	14.9	0.9	14.9	15.7	-8.2	13.4	9.3	-4.9	-7.8	8.8	8.8	0.0
05 12	12.2	1.2	15.4	19.4	-11.9	11.6	11.4	-0.7	-11.4	10.5	10.5	-0.4
05 18	20.3	-3.0	18.1	16.3	-6.9	14.6	16.7	-5.7	-9.7	7.8	0.8	-1.1
05 24	21.8	-1.9	17.2	12.9	-0.9	10.9	13.5	-0.5	-0.5	14.9	-0.5	-0.5
06 00	17.7	0.2	17.7	11.2	6.0	-0.7	14.9	-12.8	-1.2	11.5	4.4	10.6
06 12	12.3	5.4	11.0	13.5	8.2	10.8	17.1	15.7	-6.7	14.4	12.3	14.3
06 18	14.6	-1.4	-1.8	12.2	13.0	15.6	14.2	-6.5	12.7	2.0	12.0	13.0
07 00	18.5	-3.9	-16.2	15.1	5.2	12.3	11.1	-5.3	9.5	2.5	13.4	1.2
07 06	14.0	13.9	-1.7	12.2	9.2	7.9	6.8	-0.8	9.4	3.0	8.9	-8.8
07 12	10.8	1.4	10.7	8.4	6.7	5.4	2.0	5.1	-0.2	10.2	-3.2	10.2
07 18	9.2	8.8	2.7	9.2	8.0	4.5	9.9	-0.6	9.9	8.3	7.8	-0.7
08 00	7.5	7.9	8.5	6.7	5.9	13.2	2.9	-0.1	10.7	8.0	5.1	-0.1
08 06	4.0	4.0	0.9	4.0	3.1	4.1	4.7	-0.7	0.7	0.9	0.9	-0.1
08 12	2.9	-1.7	1.0	4.4	11.9	2.1	-4.3	-3.8	-1.1	10.6	-0.5	10.6
08 18	3.5	-3.4	-0.8	12.1	11.5	3.6	12.3	-4.9	-1.1	11.5	-2.2	11.5
09 00	5.2	5.2	-0.1	8.2	8.7	2.7	11.9	-4.5	-1.1	11.0	6.6	-3.0
09 06	7.3	1.6	5.9	5.8	0.9	12.8	-4.3	12.0	6.2	2.4	-5.7	-0.1
09 12	9.3	9.0	2.6	4.4	-4.3	7.0	-1.0	-1.0	5.6	3.1	-3.9	-0.1
09 18	10.2	9.9	2.4	7.5	-2.9	-6.9	6.2	2.5	5.5	3.5	2.8	-2.2
10 00	11.3	1.1	-1.6	8.5	-8.5	-8.1	8.8	6.8	5.8	1.3	-0.1	-0.1
10 06	12.5	11.3	-6.7	-1.8	6.5	9.9	7.3	6.7	-2.4	8.8	-2.4	-0.7
10 12	11.2	10.9	-3.6	1.6	5.9	6.2	5.1	-2.4	-2.4	8.7	-2.4	-0.7
10 18	12.1	8.7	-8.4	1.0	-0.9	7.0	5.0	-0.8	-0.8	7.3	-2.2	-0.2
10 24	13.1	8.2	-10.3	5.3	2.6	4.6	7.8	6.4	4.5	1.1	-0.7	-0.7
11 00	11.6	12.8	-12.3	12.3	3.9	11.7	7.6	5.7	-0.1	10.2	-3.2	-0.1
11 12	20.4	16.7	-11.7	17.1	6.4	15.9	6.9	5.0	4.6	10.2	-3.2	-0.2
11 18	14.0	9.2	-10.5	17.1	14.3	9.4	6.1	5.6	2.5	2.5	-0.2	-0.2
12 00	11.2	21	-11.0	17.3	17.3	3.5	8.0	7.0	4.0	2.4	-2.7	-0.1
12 06	10.8	23	-10.5	17.4	17.1	3.1	14.0	6.3	2.2	12.6	-3.2	-0.1
12 12	9.1	11	-8.9	17.3	17.3	1.5	12.3	7.0	10.0	8.3	8.1	-0.1
12 18	10.6	11	-8.8	17.8	17.8	1.5	12.3	7.0	10.0	8.3	8.1	-0.1
12 24	11.9	11	-8.8	17.8	17.8	1.5	12.3	7.0	10.0	8.3	8.1	-0.1
13 00	6.5	2.1	-6.1	14.9	9.7	-1.1	13.3	4.7	-3.6	11.1	-0.9	-0.1
13 06	5.0	2.4	-4.4	12.3	7.3	-0.9	2.2	-0.2	-0.2	10.9	10.1	4.0
13 12	6.2	4.7	-4.1	9.5	4.1	-8.5	2.2	-13.7	-1.7	10.0	-5.0	-0.1
13 18	7.0	5.6	-4.3	7.5	3.2	-6.8	6.1	1.9	5.8	15.9	-6.7	-1.1
14 00	7.1	6.0	-3.8	6.4	3.2	-10.0	2.2	-9.9	-8.8	16.5	-9.8	-0.1
14 06	6.4	4.3	-4.7	7.3	5.7	-5.3	9.3	2.8	8.9	14.4	-7.7	-0.1
14 12	5.7	4.0	-4.1	7.3	5.7	-5.3	9.3	2.8	8.9	14.4	-7.7	-0.1
14 18	5.7	3.8	-4.2	12.3	10.1	-5.7	7.8	7.6	5.8	12.3	-7.7	-0.1
14 24	5.0	3.8	-4.2	12.3	10.1	-5.7	7.8	7.6	5.8	12.3	-7.7	-0.1
15 00	5.0	3.7	-4.3	12.3	10.1	-5.7	7.8	7.6	5.8	12.3	-7.7	-0.1
15 06	5.2	4.2	-4.4	11.7	9.2	-7.0	8.9	8.8	7.7	12.2	-7.7	-0.1
15 12	6.5	2.0	-8.4	11.7	9.1	-7.3	12.2	12.2	0.3	11.1	-0.9	-0.1
15 18	5.3	5.0	-2.0	14.9	11.8	-0.9	7.5	7.2	-0.3	12.3	-0.9	-0.1
15 24	3.8	3.7	-3.0	15.2	12.2	-9.1	5.3	5.1	-0.1	12.3	-0.9	-0.1
16 00	4.0	4.0	-0.5	7.3	5.7	-4.5	5.7	-0.1	-6.7	10.0	-5.0	-0.1
16 06	2.2	2.0	0.8	0.6	-0.7	8.0	7.1	-5.4	-2.8	12.0	-4.8	-0.1
16 12	2.1	1.3	1.6	3.0	-3.0	-0.2	6.1	5.8	3.3	7.0	-1.1	-0.1
16 18	2.6	2.2	-0.1	6.1	4.8	3.8	3.7	-3.3	1.8	7.0	-1.6	-0.1
17 00	3.7	-0.4	3.7	7.1	-4.9	-0.7	7.3	-2.1	-2.5	10.7	-0.7	-0.1
17 06	4.0	-0.4	3.7	7.1	-4.9	-0.7	7.3	-2.1	-2.5	10.7	-0.7	-0.1
17 12	5.6	-2.2	14.4	8.8	-11.4	2.9	-2.1	-0.7	-0.7	11.1	-0.7	-0.1
17 18	7.0	-3.1	6.2	19.1	-15.2	4.4	-4.4	-2.2	-2.2	10.3	-0.7	-0.1
18 00	6.2	-2.6	5.6	22.7	17.1	7.3	-6.0	-2.2	-2.2	13.0	-0.7	-0.1
18 06	7.7	-3.2	7.0	14.9	-5.4	3.3	-2.2	-0.7	-0.7	10.5	-0.7	-0.1
18 12	6.9	-3.7	5.9	16.7	-1.8	4.6	-4.4	-0.7	-0.7	10.5	-0.7	-0.1
18 18	6.5	-3.1	5.8	13.0	-2.6	4.8	-4.2	-0.7	-0.7	10.5	-0.7	-0.1
19 00	7.5	-3.3	6.8	8.0	-7.5	7.6	-3.2	-0.5	-0.5	13.3	-0.7	-0.1
19 06	9.0	-3.0	8.4	7.3	-4.8	5.5	-3.1	-0.5	-0.5	12.1	-0.7	-0.1
19 12	8.7	-2.8	8.4	7.3	-4.8	5.5	-3.1	-0.5	-0.5	12.1	-0.7	-0.1
19 18	7.4	-2.4	7.0	8.4	-11.7	11.0	-3.9	-0.5	-0.5	12.1	-0.7	-0.1
20 00	5.8	-2.6	5.2	6.4	-1.2	14.5	-10.9	-2.2	-2.2	12.1	-0.7	-0.1
20 06	4.9	-2.1	4.4	9.0	-0.4	14.9	-7.5	-2.2	-2.2	12.1	-0.7	-0.1
20 12	4.3	-2.7	3.3	12.4	2.1	-2.9	-1.1	-0.5	-0.5	12.1	-0.7	-0.1
20 18	4.1	-2.8	3.0	12.7	2.1	-2.9	-1.1	-0.5	-0.5	12.1	-0.7	-0.1
21 00	5.4	-4.0	4.2	20.1	2.2	-2.9	-1.1	-0.5	-0.5	12.1	-0.7	-0.1
21 06	6.1	-3.5	5.0	23.3	18.7	-3.5	-2.7	-0.5	-0.5	12.1	-0.7	-0.1
21 12	8.2	-4.4	4.4	22.7	19.9	-3.7	-2.7	-0.5	-0.5	12.1	-0.7	-0.1
21 18	6.4	-3.9	4.4	22.7	19.9	-3.7	-2.7	-0.5	-0.5	12.1	-0.7	-0.1
22 00	11.6	-4.2	10.8	-17.0	-15.0	3.6	-2.7	-0.5	-0.5	12.1	-0.7	-0.1
22 06	14.5	-5.1	13.3	16.8	-9.9	3.6	-2.7	-0.5	-0.5	12.1	-0.7	-0.1
22 12	15.9	-6.0	14.7	15.0	-13.7	0.5	-0.5	-0.5	-0.5	12.1	-0.7	-0.1
22 18	17.6	-5.5	16.8	7.7	-3.7	-1.2	-0.5	-0.5	-0.5	12.1	-0.7	-0.1
23 00	18.4	-4.0	18.0	8.3	-3.5	-7.2	-0.5	-0.5	-0.5	12.1	-0.7	-0.1
23 06	20.2	-1.7	20.1	6.4	-3.3	-2.2	-0.5	-0.5	-0.5	12.1	-0.7	-0.1
23 12	18.0	-2.2	10.8	7.5	-3.7	-2.2	-0.5	-0.5	-0.5	12.1	-0.7	-0.1
23 18	18.3	-0.7	18.3	7.3	-3.7	-2.2	-0.5	-				

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Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v	
01 00	12.2	8.6	-8.4	12.3	11.9	-3.0	14.9	14.6	2.8	5.2	4.4	-2.6	12.5	2.2	12.3	2.4	-0.4	-2.3	14.0	13.5	3.9	6.0	-4.6	3.9	12.8	5.5	-11.6	13.2	12.4	-4.5	13.4	12.9	-3.7	15.8	-12.2	10.0	
01 06	8.7	8.0	-6.3	14.1	1.5	8.0	14.5	14.4	1.6	4.3	4.2	-0.9	18.6	-0.2	18.6	3.2	0.3	-3.2	11.0	11.1	4.3	6.2	-3.6	5.0	11.2	3.2	-10.8	7.0	6.8	-1.1	12.5	11.5	-5.0	13.9	-9.7	11.3	
01 12	20.6	1.4	-1.3	16.3	15.9	1.0	17.5	7.7	-7.1	1.9	0.4	1.9	1.6	4.4	-0.9	6.7	5.8	-1.8	-5.5	9.0	6.6	6.2	8.3	-4.8	6.8	4.8	1.6	-4.5	0.7	-0.5	0.4	1.9	1.7	-0.6	13.0	-2.5	12.7
01 18	25.6	24.2	-8.6	13.6	13.5	1.0	10.5	7.7	-7.1	1.9	0.4	1.9	1.6	4.4	-0.9	6.7	5.8	-1.8	-5.5	9.0	6.6	6.2	8.3	-4.8	6.8	4.8	1.6	-4.5	0.7	-0.5	0.4	1.9	1.7	-0.6	13.0	-2.5	12.7
02 00	17.5	8.2	-15.4	16.3	14.8	6.7	13.7	7.9	-11.2	1.9	0.2	1.9	4.2	-0.2	4.2	7.5	-3.1	-6.8	9.2	5.7	7.2	9.1	-5.0	7.6	3.1	0.2	-3.1	0.5	-0.5	0.2	4.3	2.6	-3.4	11.7	-0.4	11.7	
02 12	21.9	-13.2	-17.5	16.3	16.2	3.4	13.2	13.1	0.7	5.4	-4.5	2.9	5.4	-5.2	1.4	8.2	-5.5	-6.1	9.1	4.0	8.2	7.8	-7.4	2.7	3.8	-2.1	-3.2	2.5	2.4	-0.7	10.8	-5.2	-9.4	13.2	-3.6	12.7	
03 00	8.5	-6.1	-6.0	14.3	13.9	3.1	14.1	14.0	-1.5	7.6	-6.5	3.8	4.5	-2.5	3.7	8.0	-5.6	-5.7	7.9	7.2	3.3	7.1	-7.1	-0.7	2.3	-0.2	-2.3	4.0	3.8	-1.2	5.6	-4.7	-2.9	10.8	-6.1	8.9	
03 06	5.3	-2.1	-4.8	11.5	10.5	4.8	16.2	10.0	-12.7	7.6	-5.3	5.4	3.9	-1.7	3.6	6.3	-5.1	-3.6	9.9	7.1	6.1	5.3	-5.3	0.9	2.1	-0.6	-2.0	4.5	4.7	-1.0	4.8	-4.2	2.4	10.1	-7.3	7.0	
03 12	7.1	-2.2	-6.4	15.2	5.7	1.9	9.7	-10.4	-2.2	-5.6	4.5	2.8	2.9	-2.0	0.7	7.0	-6.6	-3.2	9.0	6.8	0.9	2.2	-2.2	0.0	2.7	-2.1	-2.1	6.8	-4.6	5.4	1.0	-0.7	-9.0	5.0			
03 18	14.1	-10.0	-10.0	16.1	15.8	3.0	16.8	16.6	2.4	7.7	-6.7	3.8	5.0	-4.7	1.6	8.4	-5.7	-6.1	8.6	4.4	7.4	5.9	-5.8	-1.0	2.3	-1.1	-2.0	3.5	-4.3	3.4	1.9	-1.9	-1.9	13.5	-2.5	12.7	
04 00	12.7	10.8	-6.7	11.3	6.9	9.0	17.2	17.0	-2.2	-7.7	-2.5	1.1	1.7	0.6	1.6	4.6	-4.5	-1.1	8.1	7.2	5.5	-0.6	9.4	-3.8	6.6	-4.6	-1.1	4.4	6.0	-4.6	3.8	9.6	-8.9	3.6			
04 06	13.0	11.6	-5.6	12.6	8.6	9.2	14.1	11.9	-7.5	2.2	-2.1	-0.8	6.6	0.1	6.6	4.8	-4.3	2.1	4.6	-1.7	4.3	4.8	-4.8	-0.5	12.1	4.3	11.3	8.4	-8.2	2.2	9.9	-7.9	5.9				
04 12	10.9	9.2	-5.9	17.0	17.0	-0.7	14.0	13.1	-4.8	4.4	-4.4	-0.1	3.9	-0.7	4.4	4.7	1.5	7.4	0.2	6.0	-6.0	-0.1	14.3	-5.7	13.1	7.2	-0.4	7.2	4.3	-4.2	-1.0	11.1	-8.3	7.4			
04 18	9.4	7.0	-6.3	21.9	21.4	-4.5	14.4	14.1	-2.7	9.6	-9.0	3.2	3.9	-2.9	2.6	5.7	4.6	3.3	9.3	8.9	2.9	7.1	-7.0	-0.8	13.9	-3.7	14.5	1.2	-1.9	6.7	-8.1	8.1					
05 00	8.5	4.8	-7.1	15.8	15.9	10.0	20.0	19.6	-4.5	9.8	-9.4	-2.5	7.6	-2.3	7.2	8.1	-5.7	5.6	13.0	13.1	-3.6	7.8	-7.5	2.0	6.5	5.7	4.9	-2.8	4.6	3.4	-3.9	10.8	-9.1	5.7			
05 06	9.3	5.1	-7.8	18.0	15.0	20.1	19.6	-4.5	9.8	-9.4	-2.5	7.6	-2.3	7.2	8.1	-5.7	5.6	13.0	13.1	-3.6	7.8	-7.5	2.0	6.5	5.7	4.9	-2.8	4.6	3.4	-3.9	10.8	-9.1	5.7				
05 12	10.3	6.5	-8.0	15.8	12.2	11.1	13.1	13.2	-3.1	11.2	-8.7	-7.0	6.0	-5.4	2.6	10.3	-7.9	6.6	13.4	12.9	-3.6	7.8	-7.5	2.0	6.5	5.7	4.9	-2.8	4.6	3.4	-3.9	10.8	-9.1	5.7			
05 18	13.1	9.9	-8.5	15.0	9.3	11.8	1.3	9.3	-9.1	2.0	8.8	-7.7	-5.3	7.0	-7.0	0.1	12.0	-8.7	8.4	0.3	1.3	0.4	8.8	-7.1	7.1	-0.1	1.3	1.1	1.1	-6.4	9.1	-1.8	12.5	-11.0	5.9		
05 24	13.9	10.8	-9.1	13.7	13.0	1.3	10.1	10.0	-1.0	10.0	-9.0	-1.0	10.0	-9.0	1.3	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	-9.0	10.0	
06 00	13.0	10.8	-7.2	9.4	7.9	5.0	17.0	17.0	-2.1	6.2	-5.3	-1.0	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
06 06	13.0	10.8	-7.2	9.4	7.9	5.0	17.0	17.0	-2.1	6.2	-5.3	-1.0	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
06 12	9.1	7.4	-5.3	6.3	4.4	4.5	20.8	20.6	2.6	5.2	-3.8	-3.5	8.5	-8.5	0.8	13.7	-11.0	8.2	7.6	-7.2	5.5	-8.3	4.3	2.0	-1.7	13.3	-12.4	-4.7	8.1	7.3	-15.9	14.9	-7.5	8.1			
06 18	5.9	-0.8	-5.9	5.4	5.4	2.9	23.3	23.1	-2.1	5.1	-4.6	-2.2	7.4	-7.4	0.0	13.3	-10.5	8.1	4.4	-4.2	8.6	-8.6	0.8	1.1	-0.8	13.9	-14.5	-10.6	9.9	6.6	7.3	14.8	-13.5	6.5			
07 00	5.1	-0.5	-1.1	10.1	10.1	2.7	12.3	23.2	-2.1	4.9	-4.4	-0.1	6.4	-3.7	0.2	10.2	-10.2	10.2	7.9	-7.9	0.1	4.4	-4.4	0.2	1.1	-0.1	11.1	-11.1	-1.1	1.1	-0.1	1.1	-0.1	1.1	-0.1	1.1	
07 12	5.1	-0.5	-1.1	12.2	12.4	-1.2	12.9	14.0	-2.7	6.3	-5.8	-0.1	6.4	-3.7	0.2	13.0	-12.0	12.4	6.6	-6.6	4.1	-4.1	0.1	4.4	-4.4	0.2	1.1	-0.1	11.1	-11.1	-1.1	1.1	-0.1	1.1	-0.1	1.1	
07 18	5.1	-0.5	-1.1	12.2	12.4	-1.2	12.9	14.0	-2.7	6.3	-5.8	-0.1	6.4	-3.7	0.2	13.0	-12.0	12.4	6.6	-6.6	4.1	-4.1	0.1	4.4	-4.4	0.2	1.1	-0.1	11.1	-11.1	-1.1	1.1	-0.1	1.1	-0.1	1.1	
07 24	5.1	-0.5	-1.1	12.2	12.4	-1.2	12.9	14.0	-2.7	6.3	-5.8	-0.1	6.4	-3.7	0.2	13.0	-12.0	12.4	6.6	-6.6	4.1	-4.1	0.1	4.4	-4.4	0.2	1.1	-0.1	11.1	-11.1	-1.1	1.1	-0.1	1.1	-0.1	1.1	
08 00	11.3	-9.7	-5.7	11.1	11.0	-1.0	15.8	15.8	-1.0	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
08 06	11.3	-9.7	-5.7	11.1	11.0	-1.0	15.8	15.8	-1.0	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
08 12	10.5	-8.2	-10.4	12.3	7.7	-0.3	12.3	12.3	-0.3	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
08 18	10.3	-1.2	-1.2	12.3	7.7	-0.3	12.3	12.3	-0.3	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
08 24	10.3	-1.2	-1.2	12.3	7.7	-0.3	12.3	12.3	-0.3	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
09 00	10.2	-2.0	-2.0	13.8	14.4	10.0	7.2	-6.9	4.6	-4.6	-1.6	11.1	-4.3	-0.6	11.0	-5.0	-0.8	11.0	-5.0	4.8	-4.5	-1.6	5.5	-3.7	1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
09 06	11.4	0.1	18.1	17.0	-6.3	12.0	10.6	-5.7	6.3	-5.3	5.0	-5.3	4.1	-5.0	2.8	4.2	-6.2	5.1	4.1	-3.1	10.4	-9.7	3.8	-7.0	5.5	-3.2	1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
09 12	15.0	14.9	-2.3	1																																	

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Dzien/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
V	u	v	V	u	v	V	u	v	V	u	v	V
01/00	18.1	15.7	-9.1	7.7	2.9	-7.2	1.0	-0.7	0.8	3.6	2.5	2.6
01/06	17.7	14.7	-5.4	4.4	-2.3	1.9	-1.7	0.8	3.1	23.6	22.3	-7.6
01/12	13.4	13.2	2.2	5.8	0.0	3.7	-3.3	1.7	14.1	2.8	13.8	22.0
01/18	9.7	6.3	7.4	9.0	8.3	3.5	5.1	-3.2	30.4	19.7	31.9	1.5
02/00	12.8	1.9	12.7	10.8	9.3	5.5	6.4	-4.4	4.8	20.5	2.9	20.3
02/06	15.5	4.9	14.7	14.2	10.0	10.2	7.9	-4.3	6.6	13.8	1.0	11.1
02/12	8.9	-6.4	6.1	16.3	9.0	13.6	8.8	-5.3	7.1	7.0	1.2	6.9
02/18	7.5	-6.3	4.3	18.9	9.0	16.5	9.3	-5.7	7.1	8.2	7.3	2.3
03/00	5.4	-5.4	-1.2	21.2	8.3	8.3	5.2	-4.0	3.0	19.7	1.0	19.7
03/06	11.9	-10.9	4.4	4.0	21.3	10.3	8.6	-5.6	4.7	14.0	13.6	12.5
03/12	10.1	-8.8	4.6	16.5	3.7	16.0	7.4	-6.2	4.0	10.8	8.7	-6.3
03/18	4.0	-3.9	-0.8	14.9	2.7	14.7	4.9	-4.3	2.5	9.7	3.5	-9.0
04/00	5.4	-4.7	-2.7	13.1	2.8	12.8	5.5	-4.9	2.5	9.8	3.5	-9.2
04/06	8.3	-4.1	-7.3	10.5	0.6	10.5	3.8	-3.4	1.6	8.6	6.6	-5.5
04/12	7.9	-1.4	-7.8	7.1	0.3	7.1	3.9	-3.7	12	15.8	14.9	-4.6
04/18	5.4	-2.3	-4.9	7.6	3.3	6.9	3.8	-2.8	18	14.9	14.9	-0.9
04/24	5.2	-2.3	-4.8	7.6	2.2	12	2.8	-2.8	19.8	11.7	12.0	-0.5
05/00	5.6	-3.5	-3.2	2.2	2.3	2.4	2.8	-2.8	1.1	14.9	15.1	-1.9
05/12	5.6	-0.1	-5.6	0.8	-0.5	-4.6	4.5	-3.9	16.3	15.1	-2.8	-1.7
05/18	11.1	-11.1	11.1	4.8	-2.9	-3.8	5.5	-1.6	5.2	22.7	1.7	-2.6
06/00	9.5	-3.4	9.3	10.8	7.9	-7.4	6.9	-6.0	6.8	17.8	-0.4	-17.8
06/06	5.3	-3.6	3.9	12.8	6.3	-11.1	7.5	-0.2	7.5	18.7	-5.1	-18.0
06/12	2.8	-2.8	-0.3	13.9	4.3	-13.2	10.1	-21.6	20.6	-9.7	18.2	5.3
06/18	3.9	-0.4	-3.9	11.4	-1.7	-11.3	12.7	-0.1	12.7	17.8	-9.8	-16.0
07/00	2.1	-5.1	5.3	10.4	-2.0	-10.2	10.5	0.8	10.5	19.4	-13.3	-1.4
07/06	7.3	-6.1	-4.9	9.1	-2.0	-10.2	9.1	0.8	8.1	17.8	-11.6	-1.6
07/12	7.0	-6.0	-4.8	8.0	-2.0	-7.4	8.0	0.8	7.3	11.2	-15.5	-3.3
07/18	8.2	-7.7	-2.8	4.7	-1.8	-4.3	4.0	-0.3	3.3	16.9	-8.2	-14.9
08/00	6.6	-5.9	-3.0	2.9	-2.2	-2.2	5.9	-2.5	6.6	13.5	-6.2	-12.0
08/06	6.6	-5.7	-3.9	1.9	-1.6	-11.5	2.5	-2.2	5.7	11.4	-15.1	-1.1
08/12	9.5	-7.8	-5.4	1.4	-1.3	-0.5	12.3	3.7	11.4	11.4	-6.4	-9.5
08/18	10.9	-9.5	-5.2	1.6	-0.7	14.4	5.9	-1.5	9.8	11.3	-5.3	-10.0
09/00	13.2	-11.3	-6.8	1.8	-1.2	14	11.9	8.9	8.0	12.5	-5.3	-11.3
09/06	14.2	-12.4	-7.0	3.7	-2.0	11.9	8.2	7.3	10.2	-2.8	-9.8	-16.0
09/12	11.1	-11.8	-6.4	4.4	-2.0	23.9	6.3	5.8	3.9	8.3	-10.5	-14.5
09/18	16.9	-15.9	-4.8	3.5	-2.5	3.6	3.4	-1.1	16.8	16.3	-5.3	-16.9
10/00	6.7	-4.3	-5.1	2.6	-1.6	20	4.7	-0.3	7.7	17.5	-5.7	-18.7
10/06	3.9	-2.1	-3.3	2.3	-1.9	14.0	7.9	-7.7	5.7	13.7	-5.5	-17.7
10/12	8.4	-6.8	-4.9	1.5	-0.8	12.5	2.3	-2.1	9.0	0.7	29.9	-6.0
10/18	9.5	-5.7	-7.6	1.5	-0.3	13.6	13.4	-2.6	11.7	-1.1	10.5	-22.3
11/00	8.3	-3.4	-7.6	2.4	0.4	24.0	14.0	-1.7	8.3	11.3	-5.0	-13.6
11/06	6.4	-2.6	-5.8	3.1	1.6	2.6	14.5	-0.8	8.8	-5.6	1.1	-13.6
11/12	14.9	-13.2	-7.0	3.5	2.8	2.1	14.3	-0.4	8.7	7.3	-0.5	-15.1
11/18	22.3	-22.3	-6.1	1.8	-0.3	21.3	2.1	-2.1	10.5	10.5	-0.5	-21.3
12/00	23.6	-23.6	-6.1	5.1	-0.2	9.2	7.9	-7.1	2.6	11.8	-6.6	-18.0
12/06	17.4	-17.1	-3.2	6.0	-0.8	8.8	7.0	-5.3	6.1	5.8	-1.5	-19.3
12/12	11.5	-11.0	-3.5	5.7	-0.2	2.3	5.5	-2.5	11.4	10.5	-5.5	-11.0
12/18	12.9	-11.6	-5.6	4.9	-4.5	-1.9	18.1	-2.7	17.9	3.2	-3.2	-17.9
13/00	21.0	-20.8	-3.0	4.3	-3.3	-2.7	16.4	-0.6	29	0.1	2.9	-19.3
13/06	20.7	-20.7	-0.2	3.8	-2.8	-2.6	15.7	-1.1	2.5	11.2	-0.1	-20.7
13/12	15.8	-15.1	-4.8	3.8	-1.6	-3.5	17.8	-7.9	1.6	10.2	-0.1	-17.8
13/18	7.8	-7.3	-0.9	3.7	-1.6	-3.3	11.9	-7.6	1.2	10.2	-0.1	-11.9
14/00	14.5	-13.2	-7.0	3.5	2.8	2.1	14.3	-0.4	8.7	8.0	-0.5	-13.2
14/06	22.3	-22.3	-6.1	1.8	-0.3	21.3	2.1	-2.1	10.5	10.5	-0.5	-22.3
14/12	31.9	-28.7	-13.9	5.6	-1.5	-5.4	8.6	-5.3	8.2	15.5	-5.3	-28.7
14/18	27.2	-23.3	-14.1	7.1	-0.9	-7.1	14.0	-5.7	5.7	13.9	-5.7	-23.3
15/00	22.2	-19.3	-10.8	9.7	-6.7	-4.5	14.4	-4.0	4.5	11.5	-4.5	-19.3
15/06	16.6	-15.5	-5.9	12.4	-10.6	-6.5	4.6	-0.2	4.6	13.4	-5.9	-15.5
15/12	21.6	-21.1	-4.7	14.2	-12.6	-5.4	3.1	-0.1	2.3	15.0	-11.0	-21.1
15/18	12.7	-22.4	-3.7	10.6	-9.7	-4.2	4.5	-2.4	1.5	14.7	-9.3	-22.4
16/00	22.3	-22.3	-1.1	7.0	-6.7	-2.0	2.0	-0.1	2.5	11.2	-6.7	-22.3
16/06	25.0	-25.0	-2.0	8.7	-8.0	-5.1	4.0	-2.3	2.0	13.8	-8.0	-25.0
16/12	31.0	-29.8	-8.3	4.0	-2.0	-4.0	10.9	-5.1	5.5	11.2	-5.1	-29.8
16/18	19.4	-16.2	-10.6	5.5	-3.5	-4.3	6.6	-5.6	4.8	15.5	-5.6	-16.2
17/00	14.3	-13.6	-4.5	8.8	-6.4	-1.1	4.5	-3.5	4.5	13.3	-4.5	-13.6
17/06	18.7	-18.3	-4.0	8.7	-6.2	-1.6	4.7	-3.7	2.0	13.3	-4.0	-18.3
17/12	18.5	-18.7	-2.4	6.4	-4.1	-0.5	8.5	-3.5	4.6	14.4	-2.4	-18.7
17/18	15.0	-14.8	-2.4	3.9	-1.1	-3.7	10.1	-9.6	10.6	8.7	-2.4	-15.0
18/00	14.4	-13.4	-5.3	5.2	-0.1	-5.2	8.6	-3.1	8.0	13.1	-5.3	-13.4
18/06	14.0	-13.4	-4.5	4.4	-0.1	-4.5	8.7	-3.2	8.0	13.1	-4.5	-13.4
18/12	14.9	-14.6	-2.4	4.5	-0.1	-4.6	8.8	-3.3	8.0	13.1	-4.6	-14.6
18/18	14.7	-14.7	-6.5	5.6	-0.5	-5.5	8.9	-3.4	8.0	13.1	-6.5	-14.7
19/00	14.2	-13.8	-3.5	9.2	-0.7	-9.2	6.5	-3.3	6.5	13.2	-3.5	-13.8
19/06	11.4	-11.4	-0.1	8.8	-1.1	-8.7	7.3	-0.6	5.2	12.6	-0.1	-11.4
19/12	9.2	-8.4	4.4	7.2	-2.5	-6.8	10.1	-2.7	8.8	12.1	-5.1	-8.4
19/18	13.1	-14.4	-2.4	5.4	-0.1	-5.4	12.8	-1.1	12.0	7.4	-2.4	-13.1
20/00	15.7	-15.3	-4.5	3.3	-0.1	-5.1	5.4	-3.7	5.5	14.3	-4.5	-15.3
20/06	11.6	-8.4	4.4	-3.6	-2.6	-5.1	5.3	-3.1	5.0	13.5	-2.6	-11.5
20/12	10.3	-8.6	4.4	-3.7	-2.6	-5.2	5.4	-3.2	5.0	13.5	-2.7	-10.3
20/18	12.6	-12.6	-2.0	0.5	-0.5	-5.2	5.5	-3.3	5.0	13.5	-2.0	-12.6
21/00	13.4	-13.4	-2.0	1.9	-0.8	-5.2	5.6	-3.4	5.0	13.5	-2.0	-13.4
21/06	14.3	-13.6	-2.0	1.9	-0.8	-5.2	5.7	-3.4	5.0	13.5	-2.0	-13.6
21/12	13.4	-13.6	-2.0	1.9	-0.8	-5.2	5.7	-3.4	5.0	13.5	-2.0	-13.6
21/18	12.7	-13.4	-2.0	1.9	-0.8	-5.2	5.7	-3.4	5.0	13.5	-2.0	-13.4
21/24	15.4	-13.8	-2.0	1.9	-0.8	-5.2	5.7	-3.4	5.0	13.5	-2.0	-13.8
21/30	2.6	-2.1	-1.6	4.8	-0.1	-2.0	5.7	-0.1	5.0	13.5	-2.0	-13.5
22/00	11.1	-2.8	-10.7	4.2	-0.1	-2.8	6.0	-0.1	6.5	13.5	-2.0	-12.8
22/06	9.8	-0.6	9.8	3.9	-0.1	-2.7	6.7	-0.1	7.2	13.5	-2.0	-12.5
22/12	9.8	-0.4	9.4	3.4	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
22/18	9.8	-0.1	9.4	3.4	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
23/00	6.3	-0.1	6.3	3.4	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
23/06	5.1	-0.1	5.6	4.2	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
23/12	2.1	-1.6	4.4	2.7	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
23/18	2.6	-2.1	-1.6	4.8	-0.1	-2.4	6.8	-0.1	7.1	13.5	-2.0	-12.4
24/00	6.3	-4.7	-4.3	3.5	-0.2	-2.7	6.8	-0.2	7.0	13.5	-2.0	-12.5
24/06	8.2	-5.4	-6.2	4.3	-0.2	-2.7	6.8	-0.2	7.1	9.7	-0.2	-12.5
24/12	6.8	-2.5	-6.1	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
24/18	5.8	-0.4	-7.6	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
25/00	2.0	-0.8	8.3	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
25/06	1.6	-0.8	8.3	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
25/12	1.3	-0.8	8.3	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
25/18	1.3	-0.8	8.3	2.8	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.5
26/00	12.7	-12.8	-2.1	0.9	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.8
26/06	12.1	-12.1	-0.4	5.5	-0.2	-2.7	6.8	-0.2	7.1	13.5	-2.0	-12.1
26/12	12.1											

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v
01 00	8.3 -5.5 25.1	25.1 14.8 20.3	11.0 -3.5 -10.4	7.5 -7.5 0.9	8.7 -5.8 6.5	4.7 -4.6 -0.9	9.1 9.1 -0.1	0.9 0.3 -0.2	-11.9 6.0 10.2	9.0 -7.6 -4.7	9.5 7.2 -6.2	6.9 -0.4
01 08	8.7 -7.3 -3.3	23.5 18.5 14.5	10.7 -3.7 -10.0	8.0 -8.5 2.2	10.0 -4.9 8.1	5.1 -5.1 0.8	8.7 5.9 6.5	1.4 -1.4 -0.3	-11.8 7.9 8.9	8.0 -6.2 -3.5	7.8 6.8 -4.1	4.8 4.4 2.0
01 16	8.1 -5.5 2.5	25.2 8.2 4.5	8.4 -4.4 -1.5	7.5 -5.4 -1.7	9.5 -8.7 3.9	9.7 -6.6 7.2	5.9 -5.8 0.9	4.0 0.9 -1.1	-10.9 10.0 1.1	2.3 -3.1 1.1	1.5 -0.5 0.5	3.5 -0.5
01 18	11.8 -11.5 -2.5	19.2 8.2 4.5	-6.9 5.4 -1.7	9.5 -8.7 3.9	9.7 -6.6 7.2	5.9 -5.8 0.9	4.0 0.9 -1.1	-5.5 -3.9 6.8	8.5 2.2 4.8	1.6 -2.1 4.5	3.7 -2.4 8.7	8.7 -0.1 8.7
02 00	15.6 -15.3 -3.3	12.8 1.8	12.8 10.7 9.4	-5.2 10.8 -6.0	9.0 10.3 -5.3	8.8 5.8	-5.7 0.3	0.3 9.3 4.4	-2.3 5.5 -3.9	8.2 2.2 4.5	-1.5 4.5 -3.1	3.3 2.3 -1.3
02 12	15.4 -14.4 -5.3	11.4 -2.6	11.1 13.7 11.9	-6.7 12.4 -6.1	10.8 9.4 -5.8	7.4 7.9	-7.7 -2.1	8.9 8.5 -2.9	7.0 -4.9 -5.0	7.5 6.5 -3.7	5.3 -2.4 4.8	3.0 -2.8 -1.6
02 18	13.8 -12.9 -5.0	3.1 -2.1	2.4 11.1 5.2	-9.9 12.4 -5.7	11.1 8.8 -4.6	7.2 7.5	-6.9 -2.8	6.7 6.7 0.4	7.3 -4.4 -5.8	6.3 4.9 -4.0	4.0 7.1 -2.5	6.7 1.7 -1.4
03 00	11.0 -9.3 -5.9	0.2 -0.2	0.2 15.9 4.6	-15.3 12.2 -4.3	11.4 7.8 -1.4	7.7 6.7	-6.1 -3.0	2.4 7.2 0.7	0.8 -2.6 -6.3	5.6 4.4 -3.6	6.0 -1.1 5.9	3.9 -1.8 3.4
03 06	8.6 -7.8 -3.6	6.2 4.3	4.4 17.1 5.8	-16.0 -14.0 -3.6	13.5 7.9 -2.1	7.6 6.6	-4.9 -2.4	7.4 5.5 -4.9	3.2 -2.3 2.3	7.2 5.1 -5.0	5.7 0.8 5.7	8.8 -2.8 8.4
03 12	8.1 -6.9 -4.2	2.8 8.2	8.3 -1.7	13.0 -13.0 -3.1	13.4 5.8 -3.5	4.0 5.1	-3.5 -1.1	4.2 6.1 -2.4	7.5 3.8 -6.5	4.0 3.7 3.1	2.5 11.8 -3.0	9.0 8.9 -3.1
03 18	4.1 -1.7 -1.7	10.8 0.9	0.6 15.5 -2.7	-15.5 14.5 -2.7	16.0 7.5 -2.5	8.5 8.5	-1.7 -0.6	4.9 4.9 -3.2	3.1 3.1 -0.5	4.0 3.0 -0.5	0.8 0.2 0.2	0.2 0.2 0.1
04 00	1.6 -1.4 -0.8	14.8 4.4	0.4 10.3 -5.6	-8.6 9.0 1.5	8.9 6.9 -2.0	6.6 6.6	0.6 0.7	0.3 5.3 3.1	-5.4 -2.1 3.4	4.3 1.2 -4.6	4.8 3.7 -2.2	3.2 2.0 -2.6
04 06	1.1 -0.4 1.0	18.5 17.6	-5.8 9.4 -6.8	-6.6 7.6 0.5	7.6 10.0 -0.6	9.9 3.9	0.9 3.8	10.6 9.5	9.5 4.7 -4.7	4.7 -3.7 3.0	3.3 -0.3 3.3	8.0 2.7 7.5
04 12	1.0 -0.6 0.9	19.3 17.7	-6.9 8.8 -7.3	-5.0 9.7 0.7	9.7 13.2 -1.1	1.7 0.2	1.7 1.7	8.5 4.6	4.5 4.5 -2.2	1.7 1.1 -2.1	3.4 1.9 1.3	13.4 3.4 2.4
04 18	1.0 -0.3 1.0	20.7 20.1	-5.1 6.7 -4.9	-4.5 5.0 1.7	4.7 12.7 -1.9	12.6 1.7	-0.8 1.5	7.1 6.8	2.1 -4.4	4.5 1.5 -3.5	2.4 2.5 1.4	4.0 3.6 1.8
05 00	1.5 -1.1 -1.0	16.3 16.5	-3.4 6.0 -4.3	-4.2 4.5 0.0	2.0 17.8 -3.1	17.6 1.8	-1.4 1.2	6.0 5.9	5.1 1.1 -4.7	4.4 1.7 2.2	-1.2 -1.9	11.6 10.2
05 06	4.1 -1.8 -3.6	16.6 14.9	-5.9 4.4 -2.1	-3.8 3.7 3.7	0.5 20.4 -4.7	19.9 1.7	-1.4 1.0	5.0 5.0	-0.4 4.8	3.3 3.1 -0.7	11.4 5.6 9.9	10.5 10.5 -0.6
05 12	4.6 -1.1 -4.5	19.2 19.2	-11.1 3.9 0.2	-3.9 4.5 1.5	4.3 17.9 -6.8	16.6 1.4	-1.4 -1.8	5.1 5.1	-2.0 4.0	3.5 4.1 -0.9	1.0 0.9 11.4	6.6 9.3 10.9
05 18	3.1 -2.2 -2.8	15.8 13.9	-6.9 5.3 -4.0	-3.0 5.2 0.2	5.2 16.8 -6.7	15.1 3.0	-0.3 3.4	5.1 4.2	-2.6 2.6	7.0 3.7	6.0 1.7 -0.2	6.5 6.5 1.5
05 24	2.6 -0.3 -0.1	15.1 15.1	-5.9 5.9 -4.1	-4.1 5.5 0.1	5.5 15.9 -2.1	15.9 1.9	-0.5 3.6	5.2 4.9	-2.4 2.4	3.1 3.1 -0.4	3.9 3.9 0.9	1.5 1.5 1.5
06 00	7.1 -3.9 5.9	17.1 15.9	-6.2 8.4 -8.1	-2.3 10.3 0.4	10.3 16.6 -9.3	13.8 1.8	-0.2 3.6	8.7 8.7 5.5	-3.6 4.2	4.8 5.0 -0.9	10.5 9.2 5.2	16.1 15.6 -3.9
06 12	12.3 5.4 11.0	15.4 14.9	-3.7 7.3 7.2	-11.8 -12.2 1.6	15.9 11.3 11.1	8.8 6.7	-5.8 -0.6	10.5 9.6	9.6 4.2	5.6 -5.6	0.7 6.2 5.7	2.2 1.1 1.1
06 18	18.0 5.3 17.2	13.9 13.3	4.0 5.4 3.7	3.9 10.2 -2.4	9.9 15.4 -2.4	9.5 7.1	4.8 -5.2	12.2 10.4	6.5 4.5	5.1 4.4	2.7 4.5 -3.4	2.9 5.5 0.5
07 00	19.6 4.6 19.0	8.3 8.1	-1.7 5.3 2.2	4.8 7.7 -2.0	7.4 14.2 -1.3	13.7 3.8	6.2 5.4	3.0 3.0	12.9 11.8	5.2 4.4	3.0 3.9	1.2 -3.7 4.9
07 06	14.7 3.0 14.4	7.9 7.6	-1.9 5.9 2.4	-5.4 5.8 -1.3	5.6 14.6 -13.3	6.1 8.1	9.5 3.2	10.7 10.0	1.1 3.4	5.3 4.5	2.8 4.0 -1.0	-1.3 6.3 2.5
07 12	11.3 2.1 11.1	7.9 6.3	-4.6 4.2 -2.7	3.2 3.7 4.1	1.3 13.4 -10.8	9.4 8.9	-2.3 3.5	7.6 7.3	6.3 4.3	1.2 6.2	6.2 1.5	4.7 -3.6
07 18	1.8 8.7 9.8	9.3 1.3	3.3 3.2 -0.4	-4.9 -4.8 -1.2	12.7 -8.8 9.4	8.2 8.0	-1.8 3.8	3.6 1.2	6.3 6.0	1.9 0.7	7.0 0.8	-0.7 9.4 0.8
08 00	6.8 1.3 6.7	12.1 12.0	-1.6 1.8 -1.6	3.8 3.1 -0.4	4.9 11.1 -8.1	11.5 1.3	-2.4 2.4	1.8 0.9	1.3 6.0	5.8 4.4	8.4 8.4 -0.8	1.0 1.3 1.1
08 06	7.9 2.3 7.9	15.8 15.8	-1.8 1.8 -1.8	2.0 2.0 -0.4	1.8 15.8 -1.8	15.8 1.8	-0.1 1.8	1.8 1.8	1.8 1.8	1.8 1.8	1.8 1.8	1.8 1.8 1.8
08 12	8.1 2.6 7.7	9.3 9.0	0.4 1.7 -0.5	-3.9 3.6 -3.6	8.4 8.7 5.0	13.6 1.8	-0.5 3.6	8.7 8.7 5.5	-3.6 4.2	4.3 4.3 -0.9	12.2 11.6 -0.2	3.0 2.8 -1.0
08 18	10.2 2.5 9.9	4.5 4.5	0.2 0.8 -4.6	-1.4 3.4 -2.6	4.6 -3.9 2.5	8.7 8.5	-0.5 8.7	11.8 7.3	6.1 -6.1	0.5 9.1	-2.1 -8.9 3.5	10.4 9.8 -5.4
09 00	11.8 0.5 11.7	5.3 4.3	-4.5 8.9 -8.4	-3.1 3.9 -2.8	5.2 3.6 -2.3	8.6 0.8	4.6 0.8	4.8 16.1	8.5 13.7	5.1 4.9	-1.2 6.4	-0.5 10.0 -2.9
09 06	13.3 -2.1 13.1	12.0 3.5	-11.5 11.5 -10.8	-3.8 3.2 0.8	3.1 3.1 -2.5	3.1 3.1	-2.4 1.9	15.5 -10.6	11.3 11.6	4.6 -4.3	-4.0 -0.1	4.0 4.0 -0.1
09 12	11.1 -4.2 10.3	17.6 17.6	-17.5 15.7 -15.0	-4.7 7.8 0.0	0.0 12.7 0.0	14.2 1.0	-0.2 0.6	5.0 1.5	1.0 1.5	1.3 2.8	2.8 2.8 -0.5	1.1 1.1 1.1
09 18	10.8 -6.7 18.0	15.6 3.6	-15.6 14.5 -14.4	-1.8 18.0 -1.8	1.0 18.3 9.5	4.1 -4.1	-0.4 3.3	3.7 3.3	8.5 4.5	5.3 -4.5	2.8 4.6 -3.9	1.5 1.5 1.5
10 00	7.5 -7.4 15.0	15.2 3.2	-15.2 14.0 -13.5	-3.5 3.5 0.3	3.5 12.9 12.9	12.9 0.8	-0.4 3.3	3.0 3.0	7.4 16.1	15.1 14.9	4.9 -3.5	16.5 16.5 1.0
10 06	7.4 -7.4 15.2	15.2 3.2	-15.2 14.0 -13.5	-3.5 3.5 0.3	3.5 12.9 12.9	12.9 0.8	-0.4 3.3	3.0 3.0	7.4 16.1	15.1 14.9	4.9 -3.5	16.5 16.5 1.0
10 12	7.4 -7.4 15.2	15.2 3.2	-15.2 14.0 -13.5	-3.5 3.5 0.3	3.5 12.9 12.9	12.9 0.8	-0.4 3.3	3.0 3.0	7.4 16.1	15.1 14.9	4.9 -3.5	16.5 16.5 1.0
10 18	2.8 -1.6 -2.2	3.9 3.9	-0.6 11.1 -1.1	-1.1 11.1 -1.1	11.1 11.1 -1.1	11.1 11.1	-0.6 0.6	8.4 8.4	7.5 7.5	7.5 7.5	7.5 7.5	7.5 7.5
10 24	6.8 -2.2 10.4	10.1 2.7	-1.7 13.9 -6.3	-2.5 12.2 -1.8	7.2 5.7 -2.3	5.3 5.3	-0.3 4.7	8.3 8.3	5.1 5.1	5.1 5.1	5.1 5.1	5.1 5.1
11 00	2.4 -2.2 1.0	5.7 -4.9	2.9 13.1 -11.0	7.1 6.3 -2.8	5.2 4.0 -2.1	8.5 7.1	-0.5 3.1	11.7 10.7	10.6 4.7	5.3 -4.9	5.3 -4.9	8.0 8.1 -0.1
11 06	8.3 -3.8 7.4	10.0 -7.4	-6.7 13.3 -10.4	8.4 5.0 -3.9	3.0 2.3 -0.8	8.4 8.3	-0.5 1.1	14.0 13.3	13.2 4.5	3.5 -3.5	3.5 -3.5	8.6 8.2 -0.2
11 12	14.0 4.1 13.4	8.3 -3.5	-7.7 12.7 -9.2	8.7 9.2 -1.1	6.3 6.7	6.5 1.7	-0.5 2.1	9.4 9.4	9.4 9.4	5.2 4.8	4.8 4.8 -1.3	9.7 9.7 -0.3
11 18	24.6 1.4 24.5	7.9 -7.3	-12.6 7.2 -7.6	9.9 8.9 -7.7	4.5 -3.3	6.0 6.0	-1.6 1.6	10.8 10.0	0.7 0.7	-0.8 0.8	1.6 1.6 -0.6	9.5 9.5 -0.6
12 00	14.0 4.5 13.2	8.7 -2.4	-8.3 12.8 -7.5	10.1 6.2 -5.4	5.3 5.3	1.0 1.0	-0.5 0.5	16.5 16.5	13.2 13.2	5.0 5.0	5.0 5.0	12.0 12.0 -0.1
12 12	10.7 1.0 10.7	-4.6 4.6	-1.1 11.6 1.1	-1.1 11.6 1.1	11.6 11.6 -1.1	11.6 11.6	-0.6 0.6	10.2 10.2	10.2 10.2	1.1 1.1	1.1 1.1	1.1 1.1 1.1
12 18	21.3 2.2 21.2	6.3 5.3	-1.1 11.6 1.1	-1.1 11.6 1.1	11.6 11.6 -1.1	11.6 11.6	-0.6 0.6	10.2 10.2	10.2 10.2	1.1 1.1	1.1 1.1	1.1 1.1 1.1
12 24	1.3 3.7 1.3	8.0 7.0	-0.1 11.6 0.1	-0.1 11.6 0.1	11.6 11.6 -0.1	11.6 11.6	-0.6 0.6	10.2 10.2	10.2 10.2	1.1 1.1	1.1 1.1	1.1 1.1 1.1
13 00	4.4 -0.9 15.1	15.1 4.6	-2.6 10.4 -10.2	-2.0 9.7 -5.1	8.3 8.3 -0.7	8.5 8.5	-0.7 0.7	8.0 8.0	8.0 8.0	1.1 1.1	1.1 1.1	1.1 1.1 1.1
13 06	0.1 -0.5 7.3	4.7 4.7	-1.6 15.1 5.5	-1.5 14.4 5.5	4.0 4.0 -0.7	8.5 8.5	-0.7 0.7	8.0 8.0	8.0 8.0	1.1 1.1	1.1 1.1	1.1 1.1 1.1
13 12	7.8 -2.2 4.8	9.1 4.7	-1.6 17.3 -17.3	-2.0 4.6 -1.3	4.5 12.9 10.5	-7.5 4.2	-0.4 1.1	4.5 4.5	-2.7 2.7	4.7 4.7 -1.1	1.8 1.8 1.8	12.2 12.2 1.8
13 18	10.8 -2.7 -10.5	12.0 6.4	-10.1 10.5 -10.3	-2.1 10.4 -9.3	9.2 8.2 -0.1	2.8 2.8	-7.3 0.3	7.3 5.5	4.7 4.7	2.2 2.2 2.2	2.2 2.2 2.2	11.6 11.6 2.0
13 24	18.0 0.5 -12.4	12.4 5.3	-1.7 13.7 -1.7	-0.8 13.7 -1.7	12.5 9.0 -0.6	4.7 4.7	-0.3 3.9	10.5 10.5	0.4 0.4	3.7 3.7 3.7	3.7 3.7 3.7	9.5 9.5 0.7
14 00	12.4 0.5 -12.4	13.8 0.9	-7.4 11.7 8.3	-8.3 12.4 -4.5	11.5 13.0 -4.6	4.7 4.7	-0.3 3.9	10.5 10.5	0.4 0.4	3.7 3.7 3.7	3.7 3.7 3.7	9.5 9.5 0.7
14 06	12.7 6.9 -10.7	11.9 6.3	-11.7 12.6 12.6	-12.0 6.2 -6.3	8.1 8.1 -2.5	6.5 5.2	-0.3 4.7	9.4 9.4	0.4 0.4	3.7 3.7 3.7	3.7 3.7 3.7	9.5 9

Spis tablic

2005

2006

Dzień/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	V	u	v	V	u	v	V	v	V	u	v	V
01 00	13.8	7.2	11.8	12.3	9.0	-8.4	17.4	13.9	11.5	-7.9	8.2	-6.9
01 08	12.4	7.5	9.9	11.4	8.8	-7.2	16.1	12.1	16.1	8.6	7.8	-3.4
01 16	12.0	7.3	9.3	12.3	8.8	-8.6	10.2	4.5	9.1	5.4	5.0	-0.3
02 04	4.0	2.3	3.4	12.3	8.8	-6.6	10.2	4.5	9.1	5.4	5.0	-0.3
02 12	4.3	-4.0	-1.5	8.1	4.8	-6.5	11.9	-0.2	11.9	5.4	5.4	0.2
02 20	0.9	-0.8	-0.5	10.3	7.6	-7.0	9.6	-2.1	9.3	8.4	3.0	7.8
02 28	7.1	-6.5	-2.9	11.4	8.9	-7.3	8.8	2.5	8.5	9.9	3.6	9.2
03 06	8.7	-7.3	-4.8	8.0	1.8	-7.8	11.6	7.4	8.8	7.0	7.0	0.3
03 14	8.7	-6.9	-5.2	9.0	0.9	-9.0	12.6	8.3	9.4	8.2	8.4	2.2
03 22	9.5	-8.7	-5.8	8.8	0.9	-9.8	11.1	3.3	9.3	8.2	8.4	2.2
03 30	9.7	-8.7	-5.8	8.8	0.9	-9.8	11.1	3.3	9.3	8.2	8.4	2.2
04 04	9.7	-7.6	-6.0	4.7	-3.6	-3.0	4.7	1.5	4.5	3.4	3.4	-0.6
04 06	10.3	-9.6	-3.9	10.3	-9.4	-4.2	1.3	-0.1	-1.3	6.3	5.9	-2.4
04 12	10.5	-10.4	-1.0	13.5	-7.5	-11.2	5.2	4.6	-2.5	7.2	6.8	-2.2
04 18	11.1	-9.9	-4.9	7.6	-2.0	-7.3	6.5	6.3	14	4.9	4.0	2.8
05 00	9.6	-8.8	-3.9	5.1	0.3	-5.1	10.0	8.0	6.0	6.1	3.9	4.7
05 06	9.6	-8.4	-4.7	1.9	0.2	-19	8.5	7.5	3.9	8.7	4.2	2.7
05 12	9.5	-8.1	-4.9	1.8	0.2	-19	8.5	7.5	3.9	8.7	4.2	2.7
05 18	10.3	-8.3	-6.1	2.3	-1.7	-1.5	8.9	8.5	-2.6	2.2	1.6	0.8
05 24	10.0	-8.0	-5.9	2.3	-1.7	-1.5	8.9	8.5	-2.6	2.2	1.6	0.8
06 06	9.9	-8.0	-5.8	1.9	-1.1	-1.1	8.9	8.5	-2.6	2.2	1.6	0.8
06 12	8.9	-7.9	-4.1	2.8	7.4	3.5	7.7	2.2	7.3	7.3	0.3	12.0
06 18	7.7	-6.6	-4.0	16.3	8.6	8.9	4.2	3.8	19	8.2	7.1	4.1
07 00	7.5	-6.2	-4.2	2.1	17.4	12.2	1.5	1.1	-1.1	10.9	5.7	5.2
07 06	6.2	-3.7	4.9	11.0	1.5	3.8	1.3	-3.5	12.7	11.5	5.3	9.8
07 12	4.4	-2.4	3.6	1.8	0.6	1.8	6.3	3.5	-50	10.9	9.9	4.5
07 18	2.7	-3.6	4.4	-4.2	-1.2	-5.0	4.3	6.3	5.8	9.5	-0.3	2.6
08 00	3.4	-2.4	3.1	-2.8	-2.3	-3.3	4.8	3.6	-31	6.2	5.8	-0.3
08 06	4.9	-4.0	-4.4	-4.0	-1.0	-4.7	4.0	4.7	-3.4	6.4	5.8	-0.3
08 12	3.6	-2.1	3.0	14.3	1.6	14.2	7.3	7.1	19	15.4	4.6	14.6
08 18	4.3	-2.2	3.6	13.7	0.9	13.7	7.3	3.4	6.5	11.3	3.5	10.8
09 00	2.2	-0.8	2.1	18.8	1.6	8.0	6.9	5.6	3.9	9.5	-0.5	12
09 06	2.8	-0.3	2.7	21.4	1.5	21.4	8.4	-29	7.8	5.9	3.2	-0.7
09 12	3.2	0.4	3.2	20.4	2.7	19.8	10.3	-6.3	8.2	6.6	5.0	-5.6
09 18	5.2	1.4	15.0	17.3	-0.7	17.8	9.3	-7.9	4.9	8.3	7.7	3.1
10 00	6.1	2.7	5.4	12.6	-4.5	11.1	10.9	-10.9	0.5	11.9	11.5	3.0
10 06	8.9	6.1	6.5	7.3	-6.5	7.3	-15	1.0	9.3	8.5	-7.9	4.5
10 12	10.2	6.0	5.9	7.3	-6.5	7.3	-15	1.0	9.3	8.5	-7.9	4.5
10 18	11.0	2.8	4.0	9.3	-5.0	9.3	-15	1.0	9.3	8.5	-7.9	4.5
10 24	11.1	10.8	2.4	9.0	-5.3	7.3	-15	1.0	9.3	8.5	-7.9	4.5
11 00	12.9	12.5	3.1	8.1	-3.2	7.5	-9.3	3.7	4.7	11.9	11.5	3.0
11 06	14.1	13.2	4.9	7.5	-1.9	7.2	11.5	-11.0	3.5	4.7	11.9	11.5
11 12	16.7	16.1	4.6	7.5	-0.4	7.2	12.9	12.1	-4.3	10.7	10.5	3.0
11 18	16.5	16.4	1.9	7.5	0.3	-7.5	12.9	-12.1	-4.5	2.8	1.1	-2.6
12 00	16.7	15.5	-6.3	7.1	1.1	-7.0	12.5	-10.3	-7.0	2.8	2.8	-0.2
12 06	14.0	11.3	-8.4	5.0	-2.2	-5.2	11.2	-8.7	-3.7	1.3	1.3	-0.7
12 12	13.0	11.0	-7.2	4.2	-2.7	-3.2	11.3	-8.6	-3.7	1.3	1.3	-0.7
12 18	11.6	10.6	-7.2	4.2	-2.7	-3.2	11.3	-8.6	-3.7	1.3	1.3	-0.7
12 24	10.2	9.2	-7.2	4.2	-2.7	-3.2	11.3	-8.6	-3.7	1.3	1.3	-0.7
13 00	9.4	-8.3	-4.6	3.4	-0.5	-8.8	3.6	-3.6	3.4	-1.8	-1.8	-0.5
13 06	8.7	-8.3	-2.7	4.1	0.8	-8.0	4.0	-2.7	3.4	-1.8	-1.8	-0.5
13 12	7.7	-7.6	-1.6	5.0	-0.3	-8.0	4.7	-2.7	3.4	-1.8	-1.8	-0.5
13 18	5.7	5.4	1.9	5.3	-0.4	-8.0	4.7	-2.7	3.4	-1.8	-1.8	-0.5
14 00	5.9	4.1	4.2	6.2	-5.2	-3.8	-0.2	-2.4	10.5	7.5	7.5	-3.0
14 06	6.4	3.7	5.3	3.4	-3.1	4.9	-4.7	-1.1	7.6	7.1	6.1	-2.6
14 12	5.4	3.9	3.6	2.4	-1.0	2.2	7.5	-7.5	1.2	7.5	7.1	-2.6
14 18	4.6	3.6	2.9	1.6	-2.2	7.5	-7.5	1.2	7.5	7.1	-2.6	
14 24	4.0	3.6	2.9	1.6	-2.2	7.5	-7.5	1.2	7.5	7.1	-2.6	
15 00	4.7	4.0	3.6	2.4	-1.0	2.2	7.5	-7.5	1.2	7.5	7.1	-2.6
15 06	4.7	4.4	4.0	10.5	0.8	-9.6	-1.1	-0.5	-2.4	3.8	3.4	-0.5
15 12	4.7	4.4	4.0	8.0	-0.8	-9.6	-1.1	-0.5	-2.4	3.8	3.4	-0.5
15 18	4.7	4.4	4.0	8.0	-0.8	-9.6	-1.1	-0.5	-2.4	3.8	3.4	-0.5
15 24	4.7	4.4	4.0	8.0	-0.8	-9.6	-1.1	-0.5	-2.4	3.8	3.4	-0.5
16 00	5.0	3.3	5.1	20.0	-5.2	20.2	9.4	-9.4	-0.3	6.7	6.3	-0.3
16 06	5.9	3.3	5.9	-8.6	16.4	9.3	-9.3	-0.1	6.6	6.1	2.6	
16 12	5.3	1.6	5.0	17.1	-8.7	14.7	9.8	-9.8	-1.9	7.3	7.6	-2.6
16 18	6.5	0.9	6.4	16.2	-9.0	14.0	9.4	-9.0	-2.6	3.2	2.5	-2.6
17 00	7.9	1.5	7.6	-8.6	14.0	9.8	-9.4	-2.6	2.7	2.5	2.5	-2.6
17 06	7.5	1.5	7.6	-8.6	14.0	9.8	-9.4	-2.6	2.7	2.5	2.5	-2.6
17 12	7.2	1.5	7.6	-8.6	14.0	9.8	-9.4	-2.6	2.7	2.5	2.5	-2.6
17 18	6.8	1.5	7.6	-8.6	14.0	9.8	-9.4	-2.6	2.7	2.5	2.5	-2.6
17 24	6.5	1.5	7.6	-8.6	14.0	9.8	-9.4	-2.6	2.7	2.5	2.5	-2.6
18 00	14.3	-4.1	13.7	-10.0	9.9	7.1	-4.2	-10.2	10.0	-2.1	-0.7	0.0
18 06	14.3	-10.0	10.2	-12.0	1.1	-1.6	4.4	-4.2	-2.2	5.8	-5.5	-0.1
18 12	13.5	-13.4	1.1	11.4	-1.6	8.8	-4.7	-7.3	0.4	13.0	11.4	-0.5
18 18	13.8	-13.6	-2.0	-10.0	0.4	10.1	-3.1	-7.3	0.4	13.0	11.4	-0.5
18 24	11.4	-11.4	-0.4	-9.0	9.3	-9.7	-0.1	-11.4	0.4	13.0	11.4	-0.5
19 00	11.4	-11.4	-0.4	-9.0	9.3	-9.7	-0.1	-11.4	0.4	13.0	11.4	-0.5
19 06	8.5	-8.5	-2.1	-3.4	5.9	-5.5	-2.1	-3.4	5.9	12.3	11.7	-3.7
19 12	6.7	-6.7	-2.1	-3.4	5.9	-5.5	-2.1	-3.4	5.9	12.3	11.7	-3.7
19 18	6.7	-6.7	-2.1	-3.4	5.9	-5.5	-2.1	-3.4	5.9	12.3	11.7	-3.7
19 24	6.7	-6.7	-2.1	-3.4	5.9	-5.5	-2.1	-3.4	5.9	12.3	11.7	-3.7
20 00	9.6	-8.8	-2.1	-3.4	5.9	-5.5	-2.1	-3.4	5.9	12.3	11.7	-3.7
20 06	15.1	-14.4	3.1	-3.1	4.1	-4.6	2.1	-3.1	4.1	10.7	10.5	-5.1
20 12	17.8	-3.2	17.5	-4.3	-1.6	-0.6	-2.7	-3.4	-0.3	10.3	7.6	-7.7
20 18	23.6	-5.5	22.9	-7.7	-2.0	-4.0	3.2	-2.7	-1.5	13.0	12.7	-7.7
21 00	23.2	7.3	22.1	-10.0	-2.3	-5.4	2.7	-2.3	-1.5	13.0	12.7	-7.7
21 06	19.2	12.8	14.3	15.2	-3.7	-7.5	2.9	-2.3	-1.5	13.0	12.7	-7.7
21 12	16.5	-14.0	14.2	17.5	-7.8	-2.8	2.1	-1.6	-1.1	12.7	12.4	-7.7
21 18	16.5	-14.0	14.2	17.5	-7.8	-2.8	2.1	-1.6	-1.1	12.7	12.4	-7.7
21 24	12.0	-12.0	0.0	-2.7	2.1	-5.8	2.0	-2.7	-1.5	12.7	12.4	-7.7
22 00	-8.2	-8.2	-2.8	-3.4	5.9	-5.5	-2.8	-3.4	5.9	12.7	12.4	-7.7
22 06	5.6	-5.8	-0.8	-3.4	5.9	-5.5	-0.8	-3.4	5.9	12.7	12.4	-7.7
22 12	5.1	-5.1	-0.8	-3.4	5.9	-5.5	-0.8	-3.4	5.9	12.7	12.4	-7.7
22 18	3.8	-3.0	-0.8	-3.4	5.9	-5.5	-					

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v		
01 00	18.9 17.4 7.6	17.1 -4.6 -16.4	10.4 7.9 6.8	5.9 -5.6 -1.8	5.2 -2.0 -4.8	2.9 0.4 -2.9	5.0 5.0 0.7	14.2 13.8 -3.4	9.9 9.8 1.0	5.4 4.9 2.4	15.3 15.1 -2.9	6.0 5.0 3.4		
01 06	19.0 12.5 21.8	-10.1 -19.0 12.5	12.5 8.8 5.8	-5.8 -5.7 -1.2	3.8 -1.7 -1.5	5.4 5.4 -0.1	11.4 11.2 -2.4	6.7 5.4 -4.0	5.4 5.3 0.0	18.7 17.8 -4.2	11.4 3.8 10.7			
01 12	19.0 21.6 10.4	-10.1 -19.0 12.5	12.5 8.8 5.8	-5.8 -5.7 -1.2	3.8 -1.7 -1.5	5.4 5.4 -0.1	11.4 11.2 -2.4	6.7 5.4 -4.0	5.4 5.3 0.0	18.9 17.8 -4.2	11.4 3.8 10.7			
01 18	28.9 28.4 -5.1	6.4 2.3 -6.0	10.2 3.5 9.6	-3.3 -2.5 -3.5	0.7 -0.6 0.3	8.7 -8.6 -1.2	1.6 1.0 1.3	6.9 6.9 1.0	5.2 4.9 -1.6	1.6 1.0 -1.9	11.9 11.0 -4.6	12.2 10.5 6.3		
02 00	32.2 29.3 -13.3	6.1 5.8 -1.7	9.1 7.0 5.7	5.7 4.9 1.6	-4.6 -2.7 -2.7	2.7 2.6 0.8	9.6 -9.6 -0.6	3.7 -0.6 3.6	6.7 6.3 2.3	10.9 10.7 -2.1	2.5 1.3 -2.1	8.7 5.1 -7.1		
02 12	17.2 17.0 -2.4	14.5 14.6 -1.4	6.0 6.0 -0.3	9.7 7.8 5.7	7.3 7.3 -0.3	12.6 -12.8 -0.8	8.9 -5.1 7.4	8.1 0.2 8.1	16.0 16.0 -0.3	3.8 -0.8 -3.7	8.1 1.3 -8.0	17.2 10.7 13.5		
03 00	16.2 14.8 -6.5	20.4 15.2 -13.7	6.8 4.7 -4.9	7.5 7.5 -1.6	4.2 -3.3 -2.7	12.6 -12.4 -1.9	12.6 -7.2 10.3	9.7 -4.5 8.6	16.1 16.0 1.9	6.4 6.4 0.8	-6.4 6.7 6.7	-0.6 30.2 6.2 29.6		
03 06	12.8 10.9 -6.8	20.2 15.4 -19.4	3.1 2.9 1.4	4.0 3.7 -1.6	5.8 -5.0 -2.9	11.7 -11.7 0.6	6.6 6.6 3.0	3.0 5.9 6.3	4.3 4.6 4.6	16.1 15.9 -2.6	2.7 -0.5 -2.6	8.9 3.4 -8.3	16.2 12.8 9.9	
03 12	12.8 10.8 -5.3	17.3 4.3 -1.4	2.2 2.1 1.4	-3.4 -3.4 -6.5	5.5 -2.7 -4.7	10.1 -10.3 1.4	6.2 6.0 3.4	3.8 2.8 2.8	12.0 11.9 -3.0	5.2 5.4 3.4	-3.9 3.9 2.1	-0.5 23.6 12.5 8.1		
03 18	10.5 11.4 -1.4	14.2 1.8 -11.2	3.5 3.5 -0.2	15.2 15.2 -4.2	4.2 -3.5 -2.7	9.5 9.5 0.3	5.7 5.7 0.3	3.8 3.8 3.8	1.0 1.0 1.0	14.4 14.4 -2.4	2.4 -0.5 -2.4	1.2 1.2 1.2	14.4 12.4 1.2	
04 00	15.7 13.3 6.4	-10.0 9.2 -3.0	8.0 5.7 -13.7	-7.3 -11.6 1.6	8.0 5.7 -5.5	7.7 7.4 2.7	3.1 3.1 6.2	9.4 5.6 -7.5	7.5 7.5 9.3	4.8 4.8 3.0	2.8 2.8 2.8	7.6 4.4 -6.2	19.0 18.4 4.7	
04 06	16.8 14.9 7.7	10.9 8.1 -2.7	5.2 5.8 -0.5	9.1 9.9 -4.0	-9.1 8.0 6.7	-4.4 7.7 2.2	6.3 6.0 1.0	6.2 8.2 4.1	-7.1 7.6 7.4	-2.0 4.4 3.3	3.3 2.9 6.5	-1.4 6.3 19.5	17.7 8.1	
04 12	18.5 16.2 9.1	13.3 12.2 -6.7	4.5 2.3 -3.8	8.7 3.7 -7.9	2.9 -1.6 7.4	1.6 1.6 8.1	5.7 5.8 6.1	-5.1 3.3 2.1	2.4 3.1 3.4	-2.1 3.4 3.1	-1.4 1.4 1.4	9.8 7.0 -7.0	18.0 13.7 11.7	
04 18	16.3 14.5 7.5	12.1 10.3 -6.5	1.6 1.5 -0.5	12.4 11.0 5.7	3.9 -3.9 0.3	7.5 7.4 0.7	4.8 4.7 1.0	1.3 4.3 1.3	-0.7 3.0 3.0	-2.9 1.7 1.4	0.8 0.8 0.8	9.1 7.0 -5.7	13.0 10.5 7.7	
05 00	16.2 15.3 5.2	10.1 9.6 -2.9	3.8 1.9 -3.5	18.0 17.8 2.5	4.8 -4.8 0.5	6.5 6.2 -2.2	2.0 2.1 1.9	1.9 1.6 0.6	2.5 2.5 1.0	-0.5 1.3 1.3	-1.6 1.6 1.6	5.5 5.5 2.3	8.8 1.6 -1.6	
05 06	13.6 13.3 -2.6	10.4 10.1 -2.3	7.7 7.4 -1.4	17.2 17.2 -1.4	6.5 6.2 -1.7	7.5 6.2 4.1	3.2 3.2 1.3	2.9 1.7 1.7	-0.2 0.8 0.8	-4.9 7.5 7.5	1.7 1.5 -0.7	1.8 1.1 1.4	9.8 7.4	
05 12	13.3 10.8 -7.7	13.4 9.1 -0.6	3.0 14.9 0.6	14.9 15.4 1.6	5.4 6.4 -1.6	7.2 7.2 0.8	7.6 5.7 5.0	5.7 5.1 1.1	1.1 1.1 0.9	-0.5 1.1 1.1	-1.2 1.2 1.2	5.6 5.5 2.3	13.3 8.9 8.9	
05 18	11.3 9.9 -5.5	10.1 9.6 -2.4	1.4 1.2 -3.7	11.1 10.4 0.3	8.0 8.0 -0.3	8.1 7.6 4.5	4.5 4.5 3.3	3.1 1.9 1.9	2.6 2.6 1.0	0.5 0.5 0.5	11.9 11.9 -6.8	6.2 6.2 6.2	13.5 10.8 10.8	
05 24	11.0 10.4 1.4	-4.6 4.4 -1.4	1.2 1.2 -3.7	11.1 10.4 0.3	8.0 8.0 -0.3	8.1 7.6 4.5	4.5 4.5 3.3	3.1 1.9 1.9	2.6 2.6 1.0	0.5 0.5 0.5	11.9 11.9 -6.8	6.2 6.2 6.2	13.5 10.8 10.8	
06 00	14.6 14.3 -3.1	1.2 0.7 -1.0	1.0 6.8 6.3	26.1 10.7 8.2	6.2 8.8 2.6	10.7 9.7 5.0	3.1 3.1 3.1	3.1 3.1 3.1	7.0 6.2 6.2	5.3 5.3 5.3	1.6 1.6 1.6	10.5 10.5 10.5	13.6 7.8 7.8	
06 06	14.8 14.9 7.7	10.9 8.1 -2.7	5.2 5.8 -0.5	9.1 9.9 -4.0	-9.1 8.0 6.7	-4.4 7.7 2.2	6.3 6.0 1.0	6.2 8.2 4.1	-7.1 7.6 7.4	-2.0 4.4 3.3	3.3 2.9 6.5	-1.4 6.3 19.5	17.7 8.1	
06 12	14.3 12.8 6.5	-5.5 -0.2 -0.5	5.5 10.6 5.6	9.0 9.1 5.2	-7.5 7.5 2.0	4.0 -3.0 2.6	7.6 7.6 2.1	3.2 3.2 2.1	7.1 7.1 7.1	5.2 4.8 4.8	2.0 9.4 8.0	-8.5 8.5 8.5	10.5 10.3 14.6	
06 18	9.5 9.2 -2.3	7.8 1.6 -3.0	9.8 12.3 2.8	12.0 5.8 3.1	3.9 -2.9 0.7	2.9 -0.9 2.8	8.3 8.1 6.4	1.6 1.6 9.4	7.6 5.6 5.6	5.8 5.7 5.8	1.3 1.3 1.3	8.7 8.7 8.7	13.7 11.7 11.7	
07 00	7.7 7.7 1.0	9.9 -3.0 -3.0	9.4 12.8 2.2	12.8 6.2 3.2	3.2 3.2 3.2	3.0 2.0 2.6	6.8 6.8 1.7	6.6 1.7 12.6	11.9 11.9 3.9	5.4 5.4 5.0	2.0 7.3 7.3	-2.2 4.4 2.2	15.0 10.4 -10.8	11.0 14.2 14.2
07 06	4.0 2.7 -2.9	10.4 -5.0 -5.0	9.1 12.9 0.4	12.9 6.7 3.5	3.5 3.5 3.5	4.8 4.8 4.8	1.6 1.6 1.6	1.7 1.7 1.7	0.2 0.8 0.8	8.9 8.9 8.9	4.4 4.4 4.4	2.5 2.5 2.5	8.8 8.8 8.8	
07 12	8.8 3.2 -8.2	9.4 -4.6 -4.6	8.6 8.6 -0.3	8.6 9.9 6.1	-7.7 -7.7 -1.1	8.3 8.1 6.1	-5.8 5.7 5.7	5.7 5.7 1.1	1.5 1.5 1.5	1.3 1.3 1.3	-0.1 1.1 1.1	-0.7 1.1 1.1	14.2 12.3 9.4	
07 18	9.6 8.4 -2.2	9.2 -4.3 -4.3	8.9 8.8 -2.6	8.3 7.8 6.5	4.2 4.2 -1.6	7.9 7.6 2.5	2.6 2.6 2.6	2.6 2.6 2.6	7.1 7.1 7.1	-0.7 0.7 0.7	1.3 1.3 1.3	-0.7 1.3 1.3	20.7 5.6 5.6	
08 00	15.0 14.2 6.4	-10.4 -4.3 -4.3	9.5 8.5 -1.1	8.6 8.8 0.4	0.4 0.4 0.4	4.8 4.8 4.8	0.8 0.8 0.8	17.4 17.4 8.1	8.1 8.1 8.1	4.9 4.9 4.9	1.7 1.7 1.7	-0.1 1.7 1.7	11.8 11.8 11.8	
08 06	15.7 14.8 6.5	-10.5 -4.4 -4.4	9.6 8.6 -1.1	8.7 8.8 0.4	0.4 0.4 0.4	4.8 4.8 4.8	0.8 0.8 0.8	17.4 17.4 8.1	8.1 8.1 8.1	4.9 4.9 4.9	1.7 1.7 1.7	-0.1 1.7 1.7	11.8 11.8 11.8	
08 12	16.7 12.6 10.9	-1.0 5.0 4.6	1.2 1.2 -2.6	1.2 1.2 -2.6	1.2 1.2 -2.6	2.6 2.6 2.6	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	1.2 1.2 1.2	20.2 3.6 3.6	
08 18	14.9 12.8 7.6	15.1 -13.2 -1.2	7.4 8.3 5.9	-5.9 7.9 3.5	7.1 7.1 11.0	11.0 11.0 5.0	4.2 3.5 2.0	-2.4 1.4 1.4	18.4 18.4 18.4	8.5 5.8 5.8	9.0 9.0 9.0	-2.9 2.9 2.9	11.5 17.5 17.5	
09 00	12.9 12.9 -0.3	16.3 -14.9 -1.3	6.4 10.5 8.0	-8.0 11.0 5.4	9.6 12.0 12.6	12.6 12.6 0.3	3.2 2.7 1.7	-1.9 1.7 1.7	1.1 1.1 1.1	5.2 5.2 5.2	0.4 0.4 0.4	1.1 1.1 1.1	14.1 10.7 9.2	
09 06	14.0 10.8 8.9	13.0 -12.3 -1.3	4.2 10.1 9.5	-9.1 8.4 6.1	5.0 5.0 1.1	12.2 11.2 1.1	3.1 3.1 3.1	-0.1 0.1 0.1	3.1 3.1 3.1	5.6 5.6 5.6	1.0 1.0 1.0	1.1 1.1 1.1	14.1 10.7 9.2	
09 12	17.4 15.6 7.8	11.4 -11.1 -1.1	7.7 8.8 5.2	-5.8 5.8 0.8	0.8 10.2 9.1	9.1 -9.1 -4.6	7.2 7.2 7.2	4.9 4.9 4.9	7.4 7.4 7.4	1.3 1.3 1.3	1.1 1.1 1.1	1.1 1.1 1.1	14.1 10.7 9.2	
09 18	22.7 22.7 -0.5	9.0 -8.9 -8.9	1.7 7.6 6.0	-2.9 1.7 0.0	4.0 4.0 -3.0	4.0 4.0 4.0	-2.3 2.3 2.3	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	12.7 12.7 12.7	
10 00	19.7 19.7 0.2	8.0 -8.6 -8.6	7.6 7.6 -2.6	5.6 5.6 -2.6	5.6 5.6 -2.6	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	10.5 10.5 10.5	
10 06	17.7 17.7 0.2	8.0 -8.6 -8.6	7.6 7.6 -2.6	5.6 5.6 -2.6	5.6 5.6 -2.6	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	10.5 10.5 10.5	
10 12	19.7 19.7 0.2	8.0 -8.6 -8.6	7.6 7.6 -2.6	5.6 5.6 -2.6	5.6 5.6 -2.6	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	10.5 10.5 10.5	
10 18	21.1 21.1 0.2	8.0 -8.6 -8.6	7.6 7.6 -2.6	5.6 5.6 -2.6	5.6 5.6 -2.6	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	10.5 10.5 10.5	
10 24	22.8 22.8 0.2	8.0 -8.6 -8.6	7.6 7.6 -2.6	5.6 5.6 -2.6	5.6 5.6 -2.6	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	0.0 0.0 0.0	1.7 1.7 1.7	10.5 10.5 10.5	
11 00	25.2 25.2 -2.7	3.0 -2.2 2.1	2.1 1.9 1.6	-2.4 1.6 -2.2	1.6 1.6 -2.2	6.2 6.2 6.2	10.7 10.7 10.7	0.0 0.0 0.0	4.0 4.0 4.0	3.7 3.7 3.7	1.5 1.5 1.5	9.0 9.0 9.0	6.0 5.8 1.7	
11 06	28.1 25.1 -12.1	6.3 6.2 -2.4	16.5 16.8 15.5	-30.1 19.1 17.1	-8.5 10.3 6.3	8.3 8.2 8.3	-0.2 0.2 0.2	5.7 5.7 5.7	5.0 5.0 5.0	2.2 2.2 2.2	2.8 2.8 2.8	-0.6 0.6 0.6	13.5 13.0 3.5	
11 12	20.1 18.8 7.0	14.0 -5.1 5.1	11.1 11.5 10.5	-1.7 10.5 10.5	6.4 6.4 -1.7	7.1 7.1 6.8	-0.2 0.2 0.2	5.5 5.5 5.5	4.0 4.0 4.0	2.4 2.4 2.4	2.1 2.1 2.1	0.0 0.0 0.0	10.3 10.3 10.3	
11 18	23.9 18.7 5.6	14.7 14.7 -4.4	11.5 11.5 10.5	-1.7 10.5 10.5	6.3 6.3 -1.7	7.1 7.1 6.8	-0.2 0.2 0.2	5.5 5.5 5.5	4.0 4.0 4.0	2.4 2.4 2.4	2.1 2.1 2.1	0.0 0.0 0.0	10.3 10.3 10.3	
11 24	20.0 19.6 5.6	14.7 14.7 -4.4	11.5 11.5 10.5	-1.7 10.5 10.5	6.3 6.3 -1.7	7.1 7.1 6.8	-0.2 0.2 0.2	5.5 5.5 5.5	4.0 4.0 4.0	2.4 2.4 2.4	2.1 2.1 2.1	0.0 0.0 0.0	10.3 10.3 10.3	
11 30	23.7 22.8 5.6	14.7 14.7 -4.4	11.5 11.5 10.5	-1.7 10.5 10.5	6.3 6.3 -1.7	7.1 7.1 6.8	-0.2 0.2 0.2	5.5 5.5 5.5	4.0 4.0 4.0	2.4 2.4 2.4	2.1 2.1 2.1	0.0 0.0 0.0	10.3 10.3 10.3	
11 36	22.7 22.8 5.6	14.7 14.7 -4.4	11.5 11.5 10.5	-1										

Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v	
01 00	3.6 -2.7 2.4	24.8 14.6 20.0	18.1 8.6 15.9	3.6 1.2 3.4	12.8 -6.8 10.9	5.0 -5.0 -0.7	11.1 9.7 -5.4	0.2 0.1 0.1	3.2 -2.2 2.3	17.9 11.3 13.9	5.7 3.9 -4.2	6.9 1.2 6.8	
01 06	5.6 -3.6 3.5	20.8 14.7 14.4	22.0 5.8 21.2	2.1 -0.5 2.1	13.6 -1.1 1.1	6.0 -6.5 1.4	9.4 7.8 -1.8	0.5 1.7 1.7	8.3 -2.1 8.0	19.6 10.2 16.7	3.7 -3.8 3.7	6.9 5.2 4.5	
01 12	5.4 -3.4 3.4	19.8 14.3 14.1	19.1 4.1 19.1	-0.1 0.1 0.1	11.3 -1.7 1.7	5.9 -5.9 0.6	8.0 -8.0 0.6	0.5 1.7 1.7	8.3 -2.1 8.0	19.6 10.2 16.7	3.7 -3.8 3.7	6.9 5.2 4.5	
01 18	10.2 -7.6 6.8	20.4 17.4 10.7	15.8 13.3 -8.6	5.1 -0.2 5.1	11.3 5.9 -5.5	1.9 6.0 -5.5	5.5 -5.5 1.3	-2.6 5.3 -1.4	5.1 6.7 -0.7	18.7 16.2 10.9	10.1 -9.9 1.7	13.3 -6.6 11.5	
02 00	9.8 -7.9 5.9	18.0 16.5 7.2	23.2 18.0 14.7	7.0 -1.4 6.9	2.4 -2.4 -0.2	4.1 2.3 3.4	1.1 0.3 -1.1	4.6 0.6 4.6	3.5 2.9 1.9	20.5 20.4 1.0	8.5 -8.4 -1.0	21.8 6.1 20.8	
02 06	11.0 -8.0 7.5	19.0 19.8 0.6	21.6 19.2 -10.0	4.1 -1.7 3.7	3.3 -2.1 -2.5	4.5 -0.6 4.5	1.0 -1.0 0.0	1.9 0.7 1.7	7.6 6.6 -3.6	20.7 19.3 7.5	6.4 -6.0 -2.3	21.5 2.2 21.4	
02 12	11.6 -9.1 7.1	23.7 22.0 -8.8	14.5 12.1 -8.0	3.3 -1.6 2.9	4.1 -0.5 -4.1	4.9 -0.8 4.8	3.5 -3.0 1.8	3.5 2.3 -2.7	8.5 8.5 -1.0	19.0 17.6 7.1	4.1 -3.6 -1.9	18.9 12.5 14.2	
02 18	13.5 -10.6 8.4	21.1 19.1 -8.9	15.5 12.0 -9.8	2.9 -0.7 2.8	4.1 -1.2 -3.9	5.4 -3.2 4.3	4.0 -3.6 1.7	6.0 5.5 -2.4	7.5 6.1 4.3	15.8 15.0 4.4	1.9 -1.5 -1.1	20.3 19.0 7.1	
03 00	12.8 -9.4 8.7	15.2 15.5 -3.2	14.5 11.8 -8.5	3.2 -2.5 2.0	4.8 -0.4 -4.8	5.0 -3.8 3.3	4.3 -3.0 3.0	9.4 8.5 -3.0	11.8 4.6 10.9	15.2 14.4 4.6	1.5 -1.5 -0.1	19.7 19.4 3.2	
03 06	15.8 -8.9 13.1	16.2 16.0 2.6	15.9 14.3 -6.9	3.2 -3.2 -0.5	5.2 -0.6 -5.2	6.2 -6.1 1.5	6.1 -4.2 4.5	9.9 9.8 -1.3	11.9 6.5 10.0	13.2 12.6 4.3	2.4 -1.3 2.0	12.7 11.9 4.5	
03 12	18.7 -9.5 16.8	16.5 16.0 2.6	14.2 13.8 -2.9	4.2 -2.4 -0.4	4.0 -0.6 -4.0	5.8 -4.1 5.9	5.9 -5.2 2.5	7.0 8.7 -0.9	9.9 1.8 1.8	10.7 9.5 5.3	2.0 -2.3 2.3	11.0 10.0 1.0	
03 18	19.9 -10.6 17.1	17.1 14.4 -2.2	15.5 12.0 -2.0	2.1 -1.1 2.1	1.0 -0.1 1.0	1.6 -0.1 1.6	2.8 -2.8 2.8	2.8 2.8 -0.9	7.8 2.5 -0.9	12.9 5.4 1.3	4.9 -4.9 -3.5	16.7 16.0 16.0	
04 00	19.7 -9.6 17.2	10.3 4.4 9.3	9.3 7.4 7.3	-0.8 4.9 0.4	-4.9 5.2 -1.8	-4.9 10.2 -9.2	-9.2 5.9 -5.6	-1.9 8.8 8.8	1.5 4.8 4.7	9.6 9.0 8.0	4.0 4.1 -3.0	2.8 12.8 8.1	
04 06	19.6 -10.3 16.7	13.0 0.2 0.2	13.0 6.5 -6.6	3.4 0.2 3.4	4.2 -2.5 -3.7	4.5 -2.7 4.5	4.1 -1.3 1.3	8.8 -8.6 -1.8	17.8 5.9 16.8	4.4 4.2 -1.1	8.1 7.3 3.6	5.2 -3.8 3.7	15.8 15.8 0.5
04 12	19.7 -9.4 17.3	13.2 0.6 0.6	13.2 9.9 -5.3	-8.4 4.3 -3.3	5.5 -3.5 5.3	-1.5 4.9 -3.5	-3.3 8.5 -8.2	-8.4 2.9 8.9	5.6 -6.5 6.1	12.9 11.5 5.9	7.4 3.7 2.2	4.8 -4.1 2.5	12.3 11.8 3.4
04 18	19.7 -7.7 18.2	9.2 -0.2 9.9	7.0 5.5 -4.4	5.5 5.5 5.3	-1.5 4.9 -3.5	-3.3 8.5 -8.2	-8.4 2.9 8.9	5.6 -6.5 6.1	12.9 11.5 5.9	7.4 3.7 2.2	4.8 -4.1 2.5	12.3 11.8 3.4	
05 00	21.4 -6.4 20.4	7.4 2.2 7.0	5.3 4.5 -2.7	8.1 8.0 1.3	6.0 -3.0 -5.2	6.0 -5.9 -1.1	7.5 -1.7 7.3	22.5 20.9 8.3	7.3 7.2 5.3	15.2 13.7 6.5	4.5 -4.5 2.7	19.3 5.9 18.4	
05 06	21.5 -5.0 20.9	5.7 5.7 0.8	9.6 6.3 -7.3	9.1 8.0 4.5	5.2 -1.3 -5.0	6.5 -6.5 0.0	7.4 -0.1 7.4	20.4 20.0 4.0	5.2 3.9 3.4	19.2 12.2 15.2	7.4 -6.7 3.2	12.3 5.1 11.2	
05 12	21.5 -4.9 20.6	5.7 5.7 0.8	9.6 6.3 -7.3	9.1 8.0 4.5	5.2 -1.3 -5.0	6.5 -6.5 0.0	7.4 -0.1 7.4	20.4 20.0 4.0	5.2 3.9 3.4	19.2 12.2 15.2	7.4 -6.7 3.2	12.3 5.1 11.2	
05 18	21.0 -4.9 19.5	7.9 6.5 -7.6	7.0 6.2 -6.9	7.3 6.9 -6.1	4.1 -1.2 -0.7	1.0 3.3 2.8	-1.8 -2.8 -1.2	4.9 4.0 -1.7	9.1 9.1 3.6	8.3 3.3 -0.3	-1.3 1.0 0.6	-0.7 13.3 6.1	
05 24	21.0 -4.9 19.5	7.9 6.5 -7.6	7.0 6.2 -6.9	7.3 6.9 -6.1	4.1 -1.2 -0.7	1.0 3.3 2.8	-1.8 -2.8 -1.2	4.9 4.0 -1.7	9.1 9.1 3.6	8.3 3.3 -0.3	-1.3 1.0 0.6	-0.7 13.3 6.1	
06 00	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
06 06	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
06 12	7.4 -1.5 7.2	8.9 7.1 5.4	2.1 27.1 -0.1	5.1 6.7 -3.7	4.5 -3.6 -2.3	5.1 -5.1 -0.7	4.1 2.4 3.3	1.5 0.3 -1.5	1.8 7.5 1.5	8.5 5.1 4.2	5.1 -4.2 3.8	13.9 -9.4 10.3	
06 18	5.5 -5.2 1.0	17.3 13.2 0.6	13.2 9.9 -5.3	-8.4 4.3 -3.3	5.5 -3.5 5.3	-1.5 4.9 -3.5	-3.3 8.5 -8.2	-8.4 2.8 8.8	5.6 1.2 -1.1	-0.3 1.0 0.3	1.8 1.8 0.4	4.6 -4.1 4.7	-8.6 11.9 0.8
07 00	1.1 -1.1 0.3	13.0 12.4 12.4	-6.3 16.3 15.5	-5.1 2.3 2.1	0.8 1.0 0.8	2.0 1.0 -1.7	2.9 2.5 2.9	2.4 2.5 2.9	3.8 3.8 3.8	0.3 0.3 0.3	-0.3 0.3 0.3	3.0 0.3 0.3	
07 06	5.7 2.8 5.0	13.7 13.3 2.0	11.2 10.4 -1.4	10.4 1.1 -1.4	1.2 -0.7 -1.0	3.3 3.2 -1.5	2.4 2.2 2.4	4.8 -2.9 4.4	4.0 1.7 9.1	3.6 3.3 3.3	-1.3 1.0 0.6	-0.7 13.3 6.1	
07 12	13.4 3.0 13.1	9.1 8.2 3.3	-3.9 7.8 -0.1	7.3 7.1 -1.5	-1.5 4.9 -1.5	3.3 3.2 2.2	5.4 5.4 -2.9	4.4 4.0 1.7	9.1 3.6 3.6	1.3 1.0 0.6	-0.7 13.3 6.1	5.5 5.5 5.5	
07 18	10.0 15.4 14.0	9.1 5.3 4.3	7.4 6.1 5.6	2.4 11.5 11.3	-1.1 2.0 -1.2	2.0 1.0 -1.7	2.9 2.5 2.9	2.4 2.2 2.4	4.5 4.5 1.3	12.0 11.5 12.5	1.3 1.0 0.7	10.2 2.5 9.8	
08 00	15.7 4.8 15.0	6.0 3.9 4.6	4.6 5.1 3.3	8.9 -0.5 0.5	5.3 3.3 2.1	-0.1 2.1 -0.1	6.0 5.5 -3.1	4.2 4.2 4.2	4.0 1.7 7.5	15.5 16.5 1.6	1.2 1.1 0.7	2.5 0.2 2.5	
08 06	14.2 4.2 14.2	14.4 4.4 4.3	10.9 10.9 10.0	0.8 0.8 0.8	1.2 -0.1 1.2	0.4 -0.1 0.4	1.4 -0.1 1.4	0.4 -0.1 0.4	0.4 0.4 0.4	1.0 1.0 1.0	0.1 0.1 0.1	0.4 0.4 0.4	
08 12	14.0 13.7 2.4	6.7 6.7 2.3	2.2 4.3 4.3	4.3 4.3 4.3	5.0 5.0 5.0	5.1 5.1 5.1	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	
08 18	14.0 13.7 2.4	6.7 6.7 2.3	2.2 4.3 4.3	4.3 4.3 4.3	5.0 5.0 5.0	5.1 5.1 5.1	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	
08 24	14.0 13.7 2.4	6.7 6.7 2.3	2.2 4.3 4.3	4.3 4.3 4.3	5.0 5.0 5.0	5.1 5.1 5.1	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	5.0 5.0 5.0	
09 00	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
09 06	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
09 12	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
09 18	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
09 24	12.8 -9.4 12.8	16.2 28.6 28.4	3.5 10.2 -4.3	9.3 4.0 -4.3	4.5 -4.5 4.5	-4.5 4.8 -4.2	-4.8 3.8 2.9	-4.0 2.9 4.0	-1.1 3.9 1.1	-11.7 1.6 11.6	7.2 6.9 -2.0	13.8 -10.6 8.8	
10 00	15.5 1.5 1.5	8.1 6.3 5.1	14.2 13.9 3.1	3.1 11.7 9.3	7.2 -8.6 8.8	-8.6 8.8 -7.7	-7.7 5.9 4.9	-8.6 8.8 -7.7	8.8 8.8 -7.7	12.6 11.6 5.1	8.7 8.7 6.1	8.2 5.2 2.0	
10 06	19.2 18.2 5.9	8.0 7.5 7.4	-4.7 17.0 16.8	2.4 14.1 10.8	-0.8 -9.0 -9.0	3.4 3.4 3.4	2.1 2.1 2.1	0.8 0.8 0.8	3.4 3.4 3.4	10.7 10.7 10.7	10.8 10.8 10.8	1.8 2.8 2.8	
10 12	13.4 18.2 5.9	8.0 7.5 7.4	-4.7 17.0 16.8	2.4 14.1 10.8	-0.8 -9.0 -9.0	3.4 3.4 3.4	2.1 2.1 2.1	0.8 0.8 0.8	3.4 3.4 3.4	10.7 10.7 10.7	10.8 10.8 10.8	1.8 2.8 2.8	
10 18	13.4 18.2 5.9	8.0 7.5 7.4	-4.7 17.0 16.8	2.4 14.1 10.8	-0.8 -9.0 -9.0	3.4 3.4 3.4	2.1 2.1 2.1	0.8 0.8 0.8	3.4 3.4 3.4	10.7 10.7 10.7	10.8 10.8 10.8	1.8 2.8 2.8	
10 24	13.4 18.2 5.9	8.0 7.5 7.4	-4.7 17.0 16.8	2.4 14.1 10.8	-0.8 -9.0 -9.0	3.4 3.4 3.4	2.1 2.1 2.1	0.8 0.8 0.8	3.4 3.4 3.4	10.7 10.7 10.7	10.8 10.8 10.8	1.8 2.8 2.8	
10 30	15.5 1.5 1.5	8.1 6.3 5.1	14.2 13.9 3.1	3.1 11.7 9.3	7.2 -8.6 8.8	-8.6 8.8 -7.7	-7.7 5.9 4.9	-8.6 8.8 -7.7	8.8 8.8 -7.7	12.6 11.6 5.1	8.7 8.7 6.1	8.2 5.2 2.0	
10 36	20.3 19.6 5.9	6.0 5.9 0.8	5.8 5.6 4.5	-0.8 -9.0 -9.0	0.5 0.5 0.5	5.9 5.8 0.9	0.5 0.5 0.5	10.5 10.5 7.6	3.3 3.3 3.3	12.6 11.6 5.1	8.7 8.7 6.1	8.2 5.2 2.0	
10 42	18.2 16.7 4.4	7.4 7.3 6.2	1.1 2.2 7.3	6.1 2.1 2.0	3.6 3.6 3.6	5.7 5.7 5.7	5.7 5.7 5.7	5.7 5.7 5.7	5.7 5.7 5.7	12.6 11.6 5.1	8.7 8.7 6.1	8.2 5.2 2.0	
10 48	11.5 1.1 -0.7	9.4 9.4 -0.1	5.1 5.1 5.2	0.1 5.1 5.5	3.8 3.8 3.8	3.1 2.6 3.1	5.3 5.3 5.3	5.0 5.0 5.0	1.1 1.1 1.1	11.1 11.1 11.1	4.2 4.2 4.2	3.2 3.2 3.2	
10 54	20.6 19.7 4.4	7.4 7.3 6.2	1.1 2.2 7.3	6.1 2.1 2.0	3.6 3.6 3.6	5.7 5.7 5.7	5.7 5.7 5.7	5.7 5.7 5.7	5.7 5.7 5.7	12.6 11.6 5.1	8.7 8.7		

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Dzień/Godzina	Jan V u v	Feb V u v	Mar V u v	Apr V u v	May V u v	Jun V u v	Jul V u v	Aug V u v	Sep V u v	Oct V u v	Nov V u v	Dec V u v
01 00	4.1 -2.1 -3.5	10.6 0.8 10.6	26.3 4.6 25.8	5.4 3.9 3.7	12.5 11.6 -4.6	8.8 -8.7 -1.2	6.6 4.7 -4.7	5.7 0.5 5.7	9.2 -6.3 -6.6	5.7 -5.7 0.5	4.6 1.0 4.5	5.3 -5.2 1.2
01 08	7.3 -3.0 -3.0	9.5 0.5 9.2	22.6 11.0 19.7	8.4 7.7 3.2	9.8 -5.3 -5.3	6.0 -6.9 0.1	6.2 4.7 -4.0	7.5 -0.1 7.5	11.8 -8.0 -8.7	6.4 -6.0 2.0	3.8 1.0 3.7	5.1 -4.9 2.7
01 12	0.9 -3.7 -4.1	10.3 0.4 10.4	21.4 11.4 19.4	5.8 -3.3 -2.5	5.8 -2.9 -2.4	5.5 5.1 2.1	8.1 -6.0 -5.9	2.7 1.8 -2.0	4.2 0.4 4.2	8.4 -5.5 -6.4	5.0 -4.0 3.1	2.4 -0.7 -2.3
01 18	9.9 -6.6 -2.2	5.9 5.7 1.5	21.1 19.3 -8.4	5.8 -3.3 -2.5	5.8 -2.9 -2.4	5.5 5.1 2.1	8.1 -6.0 -5.9	2.7 1.8 -2.0	4.2 0.4 4.2	8.4 -5.5 -6.4	5.0 -4.0 3.1	2.4 -0.7 -2.3
02 06	10.8 -10.6 -2.0	9.2 8.7 -2.9	19.6 17.4 -9.2	1.1 -0.9 -0.6	3.8 2.5 -3.0	13.7 -10.2 -9.1	0.9 -0.7 0.4	6.5 1.2 6.4	7.3 -3.4 -6.5	8.0 -3.3 7.3	0.5 0.5 0.0	0.0 20.1 -19.6
02 18	9.2 -7.3 -5.6	25.1 7.7 23.9	14.1 13.0 -5.4	3.7 -3.7 -0.1	5.0 -4.9 -0.7	13.2 -8.8 -9.9	2.5 -2.5 -0.2	0.3 -0.3 0.0	10.1 0.1 -10.1	10.1 -2.7 9.7	7.2 5.9 4.1	10.3 -0.2 10.3
02 12	10.3 -9.5 -3.8	9.7 9.3 -2.9	22.3 19.6 -10.7	1.2 0.3 1.1	5.8 5.4 -2.2	10.6 -8.1 -6.9	3.0 2.6 -1.4	6.4 0.8 6.3	7.5 -4.1 -6.3	6.0 -2.9 5.3	2.4 -0.7 -2.3	16.6 -16.5 2.1
03 00	7.4 -4.2 -6.1	29.4 4.3 29.4	16.1 16.1 -12.5	2.4 -2.3 -0.6	5.8 -5.9 0.1	11.8 -7.4 -9.1	2.4 -2.0 1.3	1.4 -1.4 0.1	0.1 12.5 4.5	11.6 -11.6 11.3	2.5 -2.5 11.3	13.2 12.7 3.6
03 06	5.5 -7.7 -5.5	18.4 2.6 18.6	15.1 14.7 -3.2	1.9 -1.9 -0.4	0.4 11.6 -11.6	9.9 11.5 -10.5	3.3 3.0 1.3	4.3 -4.2 -0.6	12.7 7.5 -10.2	14.1 -3.2 13.7	16.4 13.3 9.7	15.3 15.3 8.8
03 12	7.5 4.3 -6.2	11.8 0.5 11.8	11.1 11.1 -5.4	0.6 0.5 0.5	0.5 14.8 -14.8	12.0 12.4 -11.8	3.3 3.0 0.0	6.4 5.3 -3.6	10.8 7.6 -14.8	13.4 14.4 21.0	20.9 20.9 1.6	
03 18	11.4 -11.4 -1.4	10.9 11.2 -1.4	10.0 10.0 -2.1	0.0 2.1 0.0	0.0 1.7 -0.5	10.9 -7.7 -9.5	2.5 -2.5 -0.4	0.4 -0.4 0.0	12.1 1.5 -12.1	12.1 -3.7 12.1	13.6 13.6 4.6	
04 00	13.0 11.3 -6.4	8.9 6.8 5.7	11.2 8.9 -6.9	3.6 0.5 3.6	10.0 2.4 -9.8	9.0 -5.8 -6.8	2.6 0.1 1.3	1.7 1.9 0.8	10.6 8.9 -8.7	4.4 1.1 -10.0	9.9 1.1 0.0	
04 06	12.1 12.0 -1.4	7.8 6.3 4.7	4.5 7.8 -5.4	8.2 -0.7 8.1	7.6 5.0 -5.7	8.6 -6.2 -5.9	5.3 2.5 4.7	12.2 10.9 5.4	2.1 1.2 -1.7	17.8 -3.0 17.5	19.8 19.6 -3.4	15.9 15.9 -0.3
04 12	14.1 13.9 -2.2	7.7 5.7 5.2	7.9 5.5 -5.7	11.0 -3.4 10.5	2.5 2.4 -2.8	8.6 -5.1 -6.9	4.6 2.5 3.9	5.4 5.2 1.2	2.6 -1.0 2.4	17.3 -3.7 17.5	15.4 15.0 -3.5	16.8 16.8 0.2
04 18	14.3 13.9 -3.2	8.1 1.0 8.0	7.1 2.0 -6.9	9.5 -4.2 -8.5	4.0 0.1 4.0	4.0 -1.3 -1.6	1.3 1.6 -1.6	5.9 0.4 5.9	5.2 -2.9 -4.3	17.7 -4.5 17.1	13.4 12.9 -3.5	13.2 12.9 2.8
05 00	12.7 12.3 -3.2	8.2 8.0 -2.0	8.4 8.5 -8.3	8.2 -2.6 7.7	1.9 -1.4 1.3	2.6 0.1 2.5	1.2 2.2 1.2	2.2 8.8 -1.6	8.7 9.8 -3.0	9.3 3.7 1.6	15.5 15.5 1.1	
05 06	8.7 7.3 -4.8	11.6 -4.9 10.9	8.1 1.1 -8.0	2.5 0.8 2.4	0.7 -0.7 0.2	4.7 3.7 2.8	0.9 -0.9 0.1	0.1 7.5 2.5	7.1 4.4 -2.6	12.7 5.5 16.3	9.4 9.3 1.2	18.2 19.6 1.6
05 12	7.3 4.5 -5.8	14.5 13.4 -13.4	13.2 6.2 -6.4	4.6 0.6 -4.6	1.1 -0.8 -0.7	5.3 4.0 3.5	1.4 3.5 1.3	4.0 5.9 5.5	-3.3 4.8 1.5	12.7 5.5 11.7	4.3 22.5 7.8	21.1 21.1 0.6
05 18	8.1 2.1 -8.0	16.2 -8.5 13.8	3.6 1.3 -3.4	6.9 0.9 -6.5	6.5 0.3 0.3	3.4 3.3 3.0	1.0 -0.1 1.0	8.0 5.5 5.3	4.7 -3.4 3.2	16.2 5.1 -5.1	15.9 15.9 1.6	
05 24	6.0 2.1 -6.7	10.4 -1.4 10.4	10.3 0.3 -0.3	6.2 0.2 -0.2	0.2 0.1 0.0	10.9 10.9 10.9	0.1 0.1 0.1	0.1 0.1 0.1	10.9 10.9 10.9	10.9 10.9 10.9	10.9 10.9 10.9	
06 06	8.2 -5.0 6.5	12.0 -7.9 9.0	7.2 -5.9 -5.9	4.1 -3.8 -0.5	3.7 14.6 -14.6	1.0 5.6 5.5	0.0 6.9 -6.9	8.2 -6.9 6.3	4.3 6.6 4.3	1.9 -15.3 1.3	14.7 1.1 4.4	2.0 14.4 4.5
06 12	8.4 -7.1 4.4	8.9 -7.7 7.7	4.5 9.1 -5.7	7.0 -2.6 -1.0	2.6 -18.0 -2.6	2.1 6.1 6.0	-1.0 -1.2 10.5	0.2 -10.4 9.9	7.9 -7.9 7.9	0.2 9.1 -8.8	2.1 15.7 15.5	4.1 3.8 -1.6
06 18	8.6 -8.0 3.2	7.2 -6.9 1.8	7.8 -0.5 -7.8	1.4 -1.2 0.4	0.2 17.3 -17.2	1.2 3.8 3.8	0.0 10.2 10.2	2.6 -9.9 -2.4	9.9 -2.4 9.9	0.2 14.7 -1.3	14.7 6.1 3.8	-4.8 10.1 9.7
07 00	5.6 -5.0 2.6	6.1 -6.0 6.0	1.0 2.2 6.5	0.5 -6.4 -2.3	0.8 15.2 -14.9	2.7 5.5 3.0	3.6 11.5 5.7	5.7 -10.0 8.8	8.5 -8.5 8.5	2.4 10.3 10.3	14.0 6.2 5.2	-3.3 5.8 0.8
07 06	1.7 0.1 1.7	5.8 -5.4 -4.9	2.5 -0.7 2.3	2.7 3.2 -1.7	1.8 12.2 -12.0	1.9 1.0 1.9	0.3 -10.3 11.1	5.4 -9.7 6.8	6.3 -6.3 6.3	2.4 12.1 -1.1	12.7 5.5 12.7	-0.5 4.3 4.6
07 12	3.8 3.8 0.7	4.6 -3.6 -3.6	2.9 1.4 -1.1	-0.8 2.3 -0.9	2.2 10.6 -10.8	0.9 1.9 1.9	0.1 10.3 11.1	10.3 10.3 10.3	1.4 3.3 3.3	1.1 1.1 1.1	11.1 11.1 11.1	5.0 4.9 -0.8
07 18	3.1 3.0 -0.8	3.4 3.2 -2.2	2.6 2.4 -2.6	4.4 5.0 -5.0	5.5 -6.4 -2.4	8.2 7.3 8.6	3.2 3.4 3.4	3.4 3.4 3.4	9.7 8.4 8.4	2.2 1.1 2.2	2.2 2.2 0.2	14.1 13.0 0.0
08 00	3.7 3.4 -1.5	3.0 1.4 -1.4	2.8 1.8 -1.3	4.6 -1.0 4.5	4.5 2.1 -2.1	11.5 1.0 -3.3	6.3 4.7 -3.7	1.3 1.3 1.3	0.2 10.1 7.9	6.2 10.3 -0.9	4.8 -0.8 3.1	1.1 1.1 2.5
08 06	2.7 2.7 -2.3	2.2 2.2 -2.3	2.3 1.8 -2.3	1.0 0.4 -1.0	0.4 1.0 -0.4	10.9 10.9 10.9	0.1 0.1 0.1	0.1 0.1 0.1	10.9 10.9 10.9	10.9 10.9 10.9	10.9 10.9 10.9	
08 12	4.0 -2.1 3.5	2.7 1.9 2.7	2.0 5.0 4.3	1.6 -1.1 6.5	6.5 4.7 -4.3	4.4 4.3 -4.4	4.4 4.3 -4.4	4.3 4.3 -4.4	5.8 -2.9 4.9	2.4 1.1 2.4	3.7 4.1 -3.9	1.4 1.4 1.4
08 18	9.6 -9.2 -2.8	1.4 0.8 -1.1	7.7 6.5 -4.1	4.5 -0.5 -4.5	4.4 4.4 -4.4	3.9 2.2 -3.2	2.0 2.0 2.0	2.7 2.7 2.7	7.4 6.9 6.9	2.5 14.4 -9.4	1.0 1.0 1.0	
09 00	16.1 -15.7 -3.6	1.4 1.1 -0.1	8.9 7.8 -2.9	2.0 3.9 -2.0	5.4 0.5 -4.5	4.3 3.2 -3.2	1.0 1.0 1.0	1.0 1.0 1.0	10.3 9.5 9.5	3.8 1.1 1.1	9.0 11.9 12.2	-0.5 11.2 5.5
09 06	19.4 -19.3 -1.8	0.8 0.8 -0.3	6.1 5.5 -5.5	2.5 3.1 -3.1	3.6 3.3 -3.6	9.0 4.0 -8.0	2.9 2.8 8.5	8.5 16.3 16.3	15.6 12.3 12.0	10.8 10.8 10.8		
09 12	20.3 -20.3 -1.2	0.5 0.5 -0.1	4.0 4.7 -3.5	3.1 5.1 -3.6	4.5 3.6 -3.6	9.6 2.2 -2.2	6.9 6.9 6.9	14.0 12.2 12.2	12.2 12.2 12.2			
09 18	21.7 -21.4 -3.5	3.5 2.4 -1.9	1.4 4.4 -2.1	3.9 3.1 -3.9	4.5 4.1 -4.1	2.4 2.0 -2.4	1.7 1.5 1.5	4.3 3.4 -3.4	14.0 13.0 13.0	10.3 10.3 10.3		
10 00	22.7 -22.4 -3.6	3.6 2.4 -2.6	2.0 6.9 -5.7	4.7 5.0 -5.0	5.5 3.9 -3.9	3.9 2.2 -2.2	1.4 1.4 1.4	2.3 2.3 2.3	12.4 12.4 12.4	12.4 12.4 12.4		
10 06	21.9 -21.5 -4.0	4.0 7.8 -6.8	3.4 3.8 -3.4	6.4 6.4 -6.4	5.6 3.4 -3.4	7.8 4.2 -4.2	4.7 4.7 4.7	1.2 1.2 1.2	12.4 12.4 12.4	12.4 12.4 12.4		
10 12	6.1 -6.2 -6.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2		
10 18	18.1 -18.2 -2.3	8.8 8.9 -8.8	7.1 -5.2 -5.2	5.2 6.6 -5.2	5.2 6.6 -5.2	7.3 7.3 -7.3	4.8 4.8 -4.8	3.8 3.8 -3.8	10.3 10.3 10.3	10.3 10.3 10.3		
10 24	6.3 -6.0 1.0	16.0 -10.5 -1.6	6.1 6.1 -0.1	8.6 8.6 -8.6	8.6 8.6 -8.6	7.3 7.3 -7.3	4.9 4.9 -4.9	3.8 3.8 -3.8	10.1 10.1 10.1	10.1 10.1 10.1		
10 30	6.3 -6.0 1.0	16.0 -10.5 -1.6	6.1 6.1 -0.1	8.6 8.6 -8.6	8.6 8.6 -8.6	7.3 7.3 -7.3	4.9 4.9 -4.9	3.8 3.8 -3.8	10.1 10.1 10.1	10.1 10.1 10.1		
11 06	6.9 -5.8 3.7	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2		
11 12	6.0 -5.8 3.7	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2		
11 18	5.3 -5.0 3.7	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2	12.2 -12.2 12.2		
11 24	6.0 -4.1 4.2	4.0 -4.2 4.2	1.1 1.1 -0.2	7.2 7.2 -7.2	4.4 4.3 -4.4	1.0 1.0 1.0	2.7 2.7 2.7	0.0 0.0 0.0	12.0 12.0 12.0	12.0 12.0 12.0		
11 30	6.0 -6.0 6.7	10.7 2.5 10.4	10.8 5.4 -3.6	4.5 3.8 -3.4	3.8 3.7 -3.4	3.2 2.5 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.0 12.0 12.0	12.0 12.0 12.0		
12 06	9.3 -5.2 6.9	6.4 -6.1 6.1	1.8 13.6 13.5	4.1 2.1 1.8	1.0 4.0 -2.1	4.8 0.7 0.0	0.0 0.0 0.0	6.5 4.8 -4.3	12.3 10.3 10.3	10.3 10.3 10.3		
12 12	8.6 -5.6 5.6	2.5 1.5 2.4	2.1 1.2 1.2	3.6 3.6 3.3	4.8 -3.4 -3.4	3.2 2.5 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.3 10.3 10.3	10.3 10.3 10.3		
12 18	8.6 -5.6 5.6	2.4 1.2 2.4	2.0 8.0 2.7	5.8 -3.8 -3.0	3.7 -3.7 -3.0	3.0 -2.7 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.3 10.3 10.3	10.3 10.3 10.3		
12 24	8.6 -5.6 5.6	2.4 1.2 2.4	2.0 8.0 2.7	5.8 -3.8 -3.0	3.7 -3.7 -3.0	3.0 -2.7 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.3 10.3 10.3	10.3 10.3 10.3		
12 30	8.6 -5.6 5.6	2.4 1.2 2.4	2.0 8.0 2.7	5.8 -3.8 -3.0	3.7 -3.7 -3.0	3.0 -2.7 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.3 10.3 10.3	10.3 10.3 10.3		
13 06	8.6 -5.6 5.6	2.4 1.2 2.4	2.0 8.0 2.7	5.8 -3.8 -3.0	3.7 -3.7 -3.0	3.0 -2.7 -2.0	1.7 1.7 1.7	1.2 1.2 1.2	12.3 10.3 10.3	10.3 10.3 10.3		
13 12	8.6 -5.6 5.6	2.4 1.2 2.4	2.0 8.0 2.7	5.8 -3.8 -3.0	3.7 -3.7 -3.0	3.0 -2.7						

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Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v	
01.00	27.3	27.2	-2.4	13.2	11.6	-6.3	2.6	1.9	1.7	14.2	6.1	12.8	12.1	-0.3	-7.8	0.9	-0.2	-0.9	4.9	1.1	-4.8	5.6	-2.1	-5.2	7.4	7.3	1.4	7.2	4.8	-5.6	3.2	3.2	0.1	10.6	10.5	-1.3	
01.00	31.9	30.2	-10.2	12.9	11.8	-5.1	1.7	-0.8	1.5	11.8	11.1	4.0	12.3	10.3	-6.7	8.4	-1.7	-8.3	6.1	2.0	-5.7	4.7	-2.5	-4.0	7.1	7.0	-0.4	4.4	1.0	-4.3	4.0	2.7	3.0	11.3	8.4	7.6	
01.12	24.3	10.8	-14.1	14.3	13.5	-4.2	0.1	0.1	0.1	1.9	11.9	6.7	-4.1	11.2	-10.7	-3.6	10.7	-1.2	-10.1	7.9	2.7	-7.4	6.9	-4.6	-5.1	5.5	4.7	-2.3	-2.3	-2.4	8.3	1.9	8.1	15.9	13.3	8.7	
02.06	9.6	5.8	-7.6	16.7	14.2	-8.9	2.1	-1.7	-1.3	3.5	3.3	1.2	9.1	-7.7	-4.8	9.2	-2.1	-8.9	3.2	0.2	-3.2	6.0	-4.3	-3.5	6.0	4.6	-3.8	1.5	1.4	0.6	7.3	2.3	7.0	15.4	10.6	11.2	
02.12	8.6	5.3	-6.8	16.7	15.0	-7.4	2.4	-2.2	-1.0	4.1	2.2	3.4	8.8	-7.1	-5.2	9.0	-0.3	-8.9	5.0	-0.2	5.0	5.2	-4.1	-3.2	6.6	4.8	-4.6	4.7	4.6	0.6	5.6	2.0	5.2	14.9	14.1	4.6	
03.00	8.6	6.6	-5.5	14.4	14.2	2.3	2.6	1.3	-2.3	9.0	2.8	8.6	7.5	-2.8	-7.0	7.2	2.2	-6.9	3.4	-0.8	3.3	2.7	-2.7	0.0	4.3	4.1	-1.4	9.7	9.7	-0.2	6.4	0.7	6.3	12.7	12.5	-1.9	
03.06	8.9	6.9	-6.0	15.1	15.1	0.1	0.1	0.1	0.1	3.9	2.7	-2.8	12.3	2.6	12.0	8.0	-0.3	-8.0	5.0	1.8	-4.7	6.8	-0.9	4.3	-3.4	2.7	3.0	2.2	12.5	11.9	-3.8	8.7	-1.3	8.6	14.3	13.1	6.1
03.12	9.7	7.5	-4.0	19.2	18.0	-6.1	5.6	3.9	1.2	12.1	4.6	10.0	9.3	-6.6	-9.0	8.5	-0.3	-8.1	1.1	-0.1	-3.1	1.4	-0.1	-3.1	1.8	4.4	12.0	12.0	-0.7	1.7	0.1	9.2	15.7	17.1	1.7		
03.18	7.9	2.8	-2.9	19.5	19.5	-2.4	3.4	1.1	-0.1	5.8	0.9	-0.6	0.4	3.9	0.1	1.2	3.8	5.8	2.4	4.0	1.3	1.3	1.3	1.3	0.7	0.6	0.7	0.6	2.4	-2.0	20.9	11.9	1.9				
04.00	9.9	9.9	-0.3	18.8	18.6	-3.1	4.4	3.4	-2.9	6.8	4.4	5.2	2.8	2.3	-1.6	3.1	-3.0	-0.7	4.0	1.1	-3.8	4.1	-2.5	3.2	7.5	-0.4	7.5	10.6	10.6	0.1	8.9	-1.0	8.9	21.3	21.3	-0.1	
04.06	9.9	9.8	1.4	21.4	19.0	10.0	6.3	5.1	-3.8	2.9	2.7	-1.1	3.8	-3.8	-0.7	3.1	-3.1	0.8	5.2	-0.2	-0.8	6.4	-3.8	5.2	9.9	1.0	-9.8	13.4	13.4	-0.6	9.7	-1.7	9.6	22.5	22.1	4.3	
04.12	10.2	10.0	1.6	24.4	24.4	1.1	10.4	9.5	-4.3	9.9	2.3	-9.6	5.8	3.0	-4.8	2.6	-2.6	0.1	8.2	-2.7	2.6	7.7	-2.7	10.6	1.0	-1.6	10.4	15.0	14.3	-4.3	9.9	-1.9	9.7	19.5	2.0		
04.18	9.8	9.1	3.8	21.4	21.4	-1.6	16.8	14.9	-7.7	8.3	3.7	-7.5	5.8	1.1	-5.8	2.6	-2.6	0.1	7.4	-6.8	-2.9	7.3	-4.0	6.1	11.8	-3.3	11.3	11.8	-4.9	9.9	-2.5	9.5	18.3	18.1	-2.4		
05.00	10.9	10.1	4.1	18.4	18.0	-6.3	6.9	4.3	22.0	20.8	-7.2	5.0	-6.4	1.8	3.0	-4.8	1.7	-2.3	6.7	-5.9	-3.0	9.3	-2.0	1.1	14.5	14.2	-2.6	10.4	-6.0	8.4	14.7	13.5	5.7				
05.06	10.7	9.6	4.7	19.8	19.3	-2.8	13.4	11.0	-7.7	5.9	5.8	-1.0	3.4	3.3	-2.3	6.9	-3.0	6.2	-6.4	-4.7	-3.7	10.5	-0.5	10.5	13.4	-4.0	12.8	14.7	-6.7	8.0	-4.8	8.6	-0.2				
05.12	11.0	11.1	4.7	22.6	22.0	-1.9	11.5	11.5	-6.8	7.9	0.9	4.5	4.3	-1.3	7.2	6.2	-2.5	4.8	-4.0	4.7	-0.2	9.7	11.5	11.5	1.0	14.5	14.2	-2.6	10.4	-6.0	8.4	14.7	13.6	4.5			
05.18	7.0	7.5	7.2	22.6	19.3	-1.1	14.4	14.4	-6.4	18.0	0.9	3.2	3.2	0.1	0.1	12.8	12.0	-11.9	12.0	-1.6	10.6	1.0	-1.6	10.4	15.0	14.2	-2.6	10.7	-6.0	8.4	14.7	13.1	3.1				
05.24	15.9	15.7	15.3	21.3	21.1	-0.1	12.0	12.1	-3.9	11.5	-0.7	1.1	1.1	-0.1	1.1	11.3	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	1.1	1.1	1.1	1.1		
06.00	23.1	4.6	22.7	14.1	11.5	-8.1	12.2	13.6	-13.5	13.5	-1.3	1.3	1.3	-0.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
06.06	20.4	9.6	18.0	11.6	10.5	-5.0	11.1	-2.5	-10.8	16.8	16.0	5.2	3.8	1.0	3.7	15.5	-3.1	15.2	8.6	-5.1	-6.9	4.1	3.9	12.0	10.4	8.0	6.6	19.4	16.8	9.6	10.4	-2.0	10.2	16.0	0.2		
06.12	18.8	8.9	10.1	9.6	9.5	0.9	2.4	-2.6	-0.9	14.8	12.0	7.5	3.9	-2.4	-3.1	14.9	-1.1	14.5	5.5	-3.4	-4.3	6.6	1.6	11.4	9.4	5.9	4.4	15.2	15.2	-0.1	9.3	-0.1	9.3	14.5	12.8	6.8	
06.18	13.5	8.9	10.1	15.3	15.3	-1.1	16.0	16.0	-1.1	16.0	10.3	10.3	-1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1				
07.00	16.3	6.1	15.1	8.6	7.7	-3.6	7.0	-1.0	7.0	12.4	11.9	-3.5	3.6	-2.6	-2.5	12.0	-0.4	12.0	3.2	-1.8	-2.7	12.7	1.2	12.7	17.7	8.3	15.6	13.3	11.8	-5.4	6.1	0.0	6.1	12.9	11.8	5.3	
07.06	8.1	6.8	4.5	7.6	7.6	-0.3	6.9	4.3	2.2	22.0	20.8	-7.2	5.0	-6.4	-1.8	2.0	-0.3	1.0	1.3	-0.3	1.1	1.1	-0.3	1.1	-0.3	1.1	-0.3	1.1	1.1	-0.3	1.1	1.1	-0.3				
07.12	13.4	11.5	6.8	8.7	8.6	-1.1	12.5	12.1	-2.1	11.5	11.5	-7.5	8.8	-8.1	-8.1	8.4	0.3	8.4	2.4	-1.1	3.3	2.4	0.3	2.4	2.4	0.3	2.4	2.4	0.3	2.4	2.4	0.3	2.4	2.4	0.3		
07.18	7.0	13.4	13.6	13.7	13.7	-1.1	13.7	13.7	-1.1	13.7	13.7	-1.1	13.7	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.24	13.2	12.9	12.9	20.8	20.8	-2.4	13.4	13.4	-3.4	13.4	13.4	-3.4	13.4	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.30	13.2	12.6	12.6	12.7	12.7	-1.1	12.7	12.7	-1.1	12.7	12.7	-1.1	12.7	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.36	8.4	7.4	-3.8	17.2	17.2	-1.2	17.2	17.2	-1.2	17.2	17.2	-1.2	17.2	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.42	5.7	4.0	-4.0	2.4	2.4	-2.4	3.4	5.9	-0.8	5.9	5.9	-0.8	5.9	-0.5	-0.5	5.9	-0.5	5.9	5.9	-0.5	5.9	5.9	-0.5	5.9	5.9	-0.5	5.9	5.9	-0.5	5.9	5.9	-0.5					
07.48	12.7	12.1	12.1	12.1	12.1	-1.1	12.1	12.1	-1.1	12.1	12.1	-1.1	12.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.54	9.1	8.4	-3.5	13.4	13.4	-2.4	9.1	9.1	-2.4	9.1	9.1	-2.4	9.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.60	12.3	12.3	12.3	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.66	12.3	12.3	12.3	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.72	12.3	12.3	12.3	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	12.3	-1.1	12.3	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1	1.1	1.1	-0.1					
07.78	12.3	12.3	12.3	12																																	

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Dzien/Godzina	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
V	u	v	V	u	v	V	u	v	V	u	v	V
01/00	6.8	4.9	4.7	9.3	9.3	1.1	8.5	7.8	-3.5	14.6	-9.3	-14.2
01/06	10.7	3.8	10.0	10.5	-3.0	3.2	8.7	7.9	-4.0	9.2	-4.0	-8.0
01/12	14.6	6.9	12.9	8.3	-8.2	1.4	10.3	8.4	-5.9	11.9	-11.0	-0.4
01/18	9.6	7.6	5.8	6.8	0.1	10.6	6.8	-8.1	17.5	17.3	2.4	9.9
02/00	13.7	8.1	11.0	5.0	-4.8	-1.5	13.0	9.0	-10.2	16.2	13.9	-8.3
02/06	18.4	9.7	15.5	4.5	-4.4	1.0	13.3	5.7	-12.0	20.4	11.9	-16.6
02/12	13.2	13.1	-1.7	4.4	-3.1	3.1	13.8	1.7	-13.7	15.4	12.4	-9.1
02/18	8.8	-4.4	-4.4	5.4	-5.2	0.3	9.2	2.8	-3.6	11.4	-4.9	-4.3
02/24	5.0	7.4	-2.6	3.0	-2.9	0.1	2.5	2.6	-5.8	22.8	21.5	-1.6
03/00	12.0	12.0	2.2	1.8	-1.3	0.3	5.1	6.6	-4.5	4.5	1.6	-1.5
03/12	18.6	14.3	12.9	4.8	1.4	4.6	6.3	-3.7	5.1	-2.2	-0.8	2.1
03/18	29.9	14.2	26.3	5.3	-1.2	5.2	4.8	-4.5	-1.7	6.0	-5.1	3.0
04/00	22.3	21.1	7.1	4.3	-1.0	4.2	3.9	-3.6	-1.4	8.8	-8.3	2.0
04/06	27.8	27.8	-1.0	7.1	-3.6	6.1	3.3	-3.3	1.3	13.0	-13.0	-0.7
04/12	33.1	32.0	-8.2	6.5	-4.9	4.3	4.6	-4.3	16.6	15.9	-15.4	-1.1
04/18	27.5	27.6	-6.4	6.8	-5.8	3.7	5.5	-5.5	3.2	12.1	-9.7	5.2
04/24	17.8	17.8	22.5	5.5	-4.8	4.8	4.8	-4.8	5.7	-5.8	5.8	-5.8
05/00	19.5	10.2	16.6	3.0	-2.9	0.3	4.5	1.3	5.8	2.3	-2.3	0.1
05/12	14.3	8.0	11.8	4.3	-4.3	-0.1	6.3	-6.3	0.4	5.7	-4.4	-3.6
06/00	3.6	-0.2	-3.6	5.7	-5.7	-0.6	5.3	-5.3	-0.2	8.6	-6.7	-5.3
06/06	17.9	-6.6	-16.6	7.4	-7.4	-0.5	3.4	-3.4	-0.2	8.8	-7.7	-6.5
06/12	18.7	-2.3	-18.6	8.4	-8.4	-1.3	2.7	-2.4	-1.3	5.6	-5.5	-5.5
06/18	13.3	6.1	-11.9	8.1	-8.1	-0.6	-0.6	-0.6	-0.1	6.4	-5.1	-5.1
07/00	14.8	14.2	-4.1	8.9	-8.8	-1.6	0.7	0.7	0.8	8.2	-4.6	-4.6
07/06	16.1	16.0	1.5	9.9	-9.5	-2.5	5.3	5.3	8.0	2.8	7.5	-4.1
07/12	12.0	12.0	10.4	10.4	-2.0	0.1	9.1	0.8	-1.8	3.2	-3.2	-3.5
07/18	9.7	-3.4	4.1	6.1	-6.1	-3.6	12.2	-9.3	-2.7	1.9	-1.1	6.1
08/00	5.5	5.5	0.8	-5.8	-3.7	-1.2	1.7	1.2	1.3	13.3	-10.3	-2.2
08/06	5.0	4.4	2.5	5.3	-4.4	-2.9	12.8	-2.4	12.6	13.3	1.1	-3.3
08/12	2.8	-2.7	-0.3	5.3	-0.1	-5.3	6.6	-2.4	6.2	9.2	-9.8	-6.5
08/18	5.0	-0.8	-5.0	1.0	-0.4	-0.9	-0.8	-0.1	4.3	3.4	-2.7	2.9
09/00	9.1	0.6	-10.4	6.3	-6.9	7.9	2.6	1.7	2.0	5.2	-12.9	-12.2
09/06	8.6	1.7	-8.5	16.6	-13.1	10.2	4.5	-2.2	9.8	5.6	-13.4	-13.4
09/12	4.5	-4.5	-5.2	11.3	-11.3	1.3	12.6	-12.6	12.3	4.5	-12.6	-12.6
09/18	7.5	-2.4	-7.5	2.0	-2.0	0.9	9.9	-9.9	10.3	3.5	-10.3	-10.3
09/24	9.9	2.4	6.6	8.7	-6.1	-2.6	15.7	-15.7	16.4	4.4	-15.7	-15.7
10/00	15.5	-0.8	-1.3	6.1	-5.7	-2.2	12.2	-12.2	11.9	4.3	-12.2	-12.2
10/06	15.5	-0.8	-1.3	6.1	-5.7	-2.2	12.2	-12.2	11.9	4.3	-12.2	-12.2
10/12	6.1	1.5	-5.9	4.7	-4.0	-2.4	15.0	-15.0	17.7	2.0	-16.7	-16.7
10/18	8.4	6.7	-5.0	4.2	-3.7	-1.9	19.5	-16.7	10.0	-14.5	-14.5	-14.5
11/00	11.1	11.1	-1.0	2.7	-1.9	-0.9	20.0	-14.1	14.2	-14.4	-14.4	-14.4
11/06	17.2	17.2	-1.1	3.7	-0.9	-3.6	18.5	-5.5	13.9	14.4	-13.5	-13.5
11/12	20.2	18.5	-8.1	4.3	-4.1	-1.4	13.9	-13.8	7.7	13.4	-12.2	-12.2
11/18	14.9	-1.2	-10.4	4.6	-3.5	-2.9	12.9	-12.9	11.3	3.0	-12.9	-12.9
11/24	14.7	-1.1	-1.1	5.6	-5.6	-0.7	12.9	-12.9	11.3	3.0	-12.9	-12.9
12/00	24.1	21.3	2.2	11.4	-0.2	9.3	5.3	-5.7	3.1	-1.6	16.2	-13.0
12/06	31.2	31.2	0.4	12.2	1.9	2.7	7.9	4.3	13.7	12.7	-5.3	-5.3
12/12	26.3	23.8	-11.2	9.2	-9.1	1.1	8.3	5.1	-6.5	15.2	-15.2	-15.2
12/18	23.8	15.7	-17.9	7.1	-6.6	-2.6	8.4	-8.4	7.1	-7.7	-7.7	-7.7
13/00	21.8	18.8	-11.0	6.4	-5.4	-3.5	14.4	-11.4	8.9	4.5	-14.4	-14.4
13/06	21.4	14.3	-15.9	5.6	-5.1	-2.4	14.7	-11.1	8.0	4.5	-14.7	-14.7
13/12	19.5	12.6	-15.4	4.3	-4.3	-0.6	7.6	-7.6	5.1	13.5	-13.5	-13.5
13/18	14.9	-4.2	-4.8	1.6	-4.7	-0.7	8.4	-8.4	5.3	12.3	-12.3	-12.3
14/00	19.0	14.2	-4.8	1.6	-4.7	-0.7	8.4	-8.4	5.3	12.3	-12.3	-12.3
14/06	19.3	14.8	-4.8	1.6	-4.7	-0.7	8.4	-8.4	5.3	12.3	-12.3	-12.3
14/12	19.3	14.8	-4.8	1.6	-4.7	-0.7	8.4	-8.4	5.3	12.3	-12.3	-12.3
14/18	14.2	-0.6	-14.2	15.5	14.5	5.4	0.0	-3.4	-2.2	6.8	-5.7	-5.7
15/00	14.1	-2.8	-13.8	21.2	13.2	16.7	5.1	-4.0	15.5	17.2	-13.0	-13.0
15/06	12.4	-4.9	-11.3	3.9	-3.6	1.5	6.7	-6.4	10.7	-10.7	-10.7	-10.7
15/12	10.2	-3.4	-9.5	16.3	-13.1	11.7	9.8	-8.0	3.0	-14.1	-14.1	-14.1
15/18	6.3	-2.4	-5.8	17.1	-11.8	12.3	8.6	-7.5	3.0	-14.1	-14.1	-14.1
16/00	3.3	0.0	-3.3	12.0	-7.6	-9.3	9.5	-23.5	13.3	8.1	-13.3	-13.3
16/06	16.0	-1.0	-6.0	1.6	-2.2	-6.2	12.2	-12.2	17.9	-14.1	-14.1	-14.1
16/12	2.2	-0.2	-2.2	2.4	-2.2	-2.4	12.2	-12.2	17.9	-14.1	-14.1	-14.1
16/18	1.3	-0.4	-1.7	7.4	-5.8	-1.7	12.2	-12.2	17.9	-14.1	-14.1	-14.1
17/00	17.2	-1.2	-1.2	13.0	-12.0	12.2	7.8	-7.8	10.1	-2.6	-2.6	-2.6
17/06	17.2	-1.2	-1.2	13.0	-12.0	12.2	7.8	-7.8	10.1	-2.6	-2.6	-2.6
17/12	17.2	-1.2	-1.2	13.0	-12.0	12.2	7.8	-7.8	10.1	-2.6	-2.6	-2.6
17/18	4.5	4.4	-1.1	6.8	-2.3	-6.5	4.4	-7.6	7.4	10.1	-8.6	-8.6
18/00	7.6	7.1	-2.8	5.9	-1.5	-5.6	8.3	-8.3	10.2	-20.0	-12.0	-12.0
18/06	7.2	7.1	-1.4	3.4	0.7	-2.3	2.3	-2.3	10.5	-0.5	-10.5	-10.5
18/12	8.4	-0.5	-10.1	8.0	-8.2	-0.9	10.4	-10.4	9.7	-0.5	-10.4	-10.4
18/18	10.9	-0.4	-10.3	6.3	-6.3	-0.5	9.3	-9.3	9.9	-0.4	-10.3	-10.3
19/00	13.2	13.2	0.8	16.3	-9.3	8.0	6.7	-6.7	10.3	-0.4	-10.3	-10.3
19/06	15.5	13.6	-7.5	13.6	-12.7	13.4	-9.7	-9.7	12.0	-3.0	-11.6	-11.6
19/12	13.3	13.3	0.7	11.4	-1.3	26.5	-12.2	-14.0	11.4	-11.4	-11.4	-11.4
19/18	10.0	9.2	3.8	14.4	-1.1	-31.1	-22.7	-13.1	10.0	-10.0	-10.0	-10.0
20/00	6.1	5.5	-2.6	14.1	-16.4	18.1	9.0	-6.8	13.3	-3.7	-11.7	-11.7
20/06	7.2	-0.9	-11.3	10.4	-14.5	13.9	11.0	-4.9	6.8	-0.2	-11.3	-11.3
20/12	4.8	-4.3	-2.1	10.6	-8.2	-0.6	7.2	-4.6	10.1	-0.5	-10.6	-10.6
20/18	3.8	-2.3	-2.1	24.3	-16.7	14.0	8.6	-3.6	10.9	-0.5	-10.7	-10.7
21/00	2.1	-1.8	-1.8	13.4	-13.4	12.0	10.9	-2.6	12.2	-0.5	-10.6	-10.6
21/06	4.6	-2.6	-2.6	18.0	-18.0	15.5	11.3	-1.6	12.2	-0.5	-10.5	-10.5
21/12	4.7	-0.5	-2.6	18.1	-18.1	3.6	-3.4	-3.4	12.2	-0.5	-10.4	-10.4
21/18	4.7	-0.5	-2.6	23.5	-23.5	2.8	-6.6	-6.6	12.2	-0.5	-10.3	-10.3
21/24	16.9	16.5	-16.7	19.7	-19.5	3.7	-6.6	-6.6	12.2	-0.5	-10.2	-10.2
21/30	24.7	1.1	-24.7	16.2	-12.0	3.2	-6.6	-6.6	12.2	-0.5	-10.1	-10.1
22/00	2.7	-2.2	-2.2	8.0	-7.9	-0.5	7.1	-7.1	12.2	-0.5	-10.0	-10.0
22/06	12.4	-0.2	-12.4	11.5	0.8	3.0	7.1	-4.5	12.2	-0.5	-10.0	-10.0
22/12	11.6	0.3	-11.6	18.4	-12.0	9.1	7.4	-5.4	12.2	-0.5	-10.0	-10.0
22/18	3.7	0.1	-3.7	20.8	-20.8	8.2	6.2	-4.2	12.2	-0.5	-10.0	-10.0
23/00	4.6	-0.4	-2.2	24.3	-24.3	10.6	3.0	-3.0	12.2	-0.5	-10.0	-10.0
23/06	2.3	-1.8	-1.8	13.4	-13.4	12.0	10.9	-2.6	12.2	-0.5	-10.0	-10.0
23/12	2.3	-1.8	-1.8	13.4	-13.4	12.0	10.9	-2.6	12.2	-0.5	-10.0	-10.0
23/18	4.7	-0.5	-2.6	18.1	-18.1	3.6	-3.4	-3.4	12.2	-0.5	-10.0	-10.0
23/24	4.7	-0.5	-2.6	18.1	-18.1	3.6	-3.4	-3.4	12.2	-0.5	-10.0	-10.0
23/30	4.7	-0.5	-2.6	18.1	-18.1	3.6	-3.4	-3.4	12.2	-0.5	-10.0	-10.0
24/00	4.0	-1.1	-3.8	13.7	-13.2	-0.9	2.0	-2.0	6.7	-0.5	-10.0	-10.0
24/06	4.6	-1.3	-4.5	15.9	-12.0	10.4	1.5	-0.9	8.0	-0.5	-10.0	-10.0
24/12	5.9	-0.9	-5.9	18.1	-13.6	11.8	-4.7	-2.2	12.2	-0.5	-10.0	-10.0
24/18	4.1	-0.8	-4.0	22.3	-16.1	7.4	-5.5	-5.5	12.2	-0.5	-10.0	-10.0
25/00	3.4	-0.1	-3.4	23.4	-16.4	7.4	-5.5	-5.5	12.2	-0.5	-10.0	-10.0
25/06	2.2	-1.8	-1.8	13.4	-13.4	12.0	9.1	-2.6	12.2	-0.5	-10.0	-10.0
25/12</												

Spis tablic

2013

2014

Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v	
01.00	9.9	1.7	9.9	13.0	3.5	12.6	8.3	3.7	7.4	4.4	-4.3	-1.1	5.3	5.2	-0.6	2.2	-0.2	0.9	3.5	1.9	-2.9	3.2	1.7	-2.7	12.0	-11.0	4.7	6.2	-5.8	2.5	6.7	0.2	6.7	7.8	-4.7	6.2	
01.00	11.1	0.3	11.1	15.6	3.0	15.3	7.7	-3.4	6.9	2.4	-2.2	-1.1	7.9	0.9	-3.9	3.0	2.6	-1.4	4.7	0.9	-2.7	1.0	0.6	-0.8	9.8	-10.1	3.7	9.0	-6.8	2.2	6.2	0.1	6.2	8.1	4.6	6.7	
01.12	11.1	0.7	12.2	14.5	2.8	14.2	4.9	-2.4	4.3	1.5	-1.5	-0.3	7.8	-4.1	-6.6	7.6	5.7	-5.0	4.4	-4.4	-0.1	2.6	-2.1	1.6	6.6	-6.6	-0.3	5.0	-2.9	4.1	5.8	1.5	5.6	8.8	-5.6	6.8	
02.00	10.3	1.4	10.2	11.1	2.6	10.8	5.6	-1.4	5.5	0.9	-0.5	0.8	6.7	-3.3	-5.8	9.2	6.2	-6.7	6.5	6.4	1.1	4.6	-4.3	1.8	7.5	-7.4	-1.5	4.3	-2.0	3.8	7.9	4.5	6.5	8.4	-4.9	6.8	
02.12	13.9	-0.9	13.9	6.3	3.5	6.0	11.4	-0.2	11.4	6.3	-1.7	6.1	7.8	-4.7	-6.2	8.5	5.3	-6.6	6.6	6.5	0.6	8.8	-7.0	5.4	7.7	-6.8	-3.8	2.0	1.0	2.4	1.0	1.1	2.3	-1.4	5.0		
03.00	11.7	0.7	11.7	4.5	2.5	3.6	6.6	1.7	6.4	7.0	-1.6	6.8	7.5	-2.9	-6.9	7.1	4.2	-5.7	5.5	8.5	7.9	-3.3	10.7	-3.3	10.0	6.4	-5.2	3.7	2.3	0.7	2.1	12.0	8.8	8.1	2.3	-1.4	1.8
03.12	10.4	5.5	8.3	5.2	-0.1	10.4	4.2	10.0	2.4	9.7	4.2	-2.7	3.6	6.2	-1.9	-5.9	4.1	0.9	-4.0	10.4	9.4	-3.8	11.7	-2.7	11.0	5.9	-5.4	2.4	2.5	1.3	2.2	14.2	9.4	10.2	2.0	-1.7	0.9
03.18	14.6	1.5	14.6	1.7	-0.9	10.0	14.4	7.0	12.6	8.8	-5.6	6.0	4.1	4.7	1.8	2.4	-1.1	1.2	8.5	8.4	-0.3	12.3	-0.3	12.0	5.6	-5.6	3.2	3.0	0.3	3.2	9.5	9.5	9.2	0.6	-0.6	2.3	
04.00	14.4	6.5	12.9	14.9	-3.8	14.4	13.8	-6.8	12.0	7.3	-5.6	-2.8	8.6	8.1	-2.8	2.9	-0.7	2.9	9.2	9.2	0.4	8.5	-5.2	-5.2	0.0	3.4	15.0	7.5	13.0	2.5	1.4	-2.0					
04.06	12.4	11.3	5.2	15.1	-2.1	15.0	12.8	-6.6	11.0	4.7	-4.4	-1.8	8.0	7.3	-3.1	5.7	2.8	4.9	7.1	6.6	2.7	7.6	-1.8	7.4	5.6	-5.4	1.7	4.5	-0.8	4.4	15.1	7.3	13.2	2.4	2.1	-1.2	
04.12	13.0	12.8	1.9	10.6	0.9	10.6	12.0	-7.0	9.8	6.3	-6.3	0.6	4.7	1.5	-4.4	6.5	4.6	6.4	2.4	5.9	3.9	-2.0	3.3	5.7	-5.2	2.2	5.1	-2.1	4.7	11.8	7.3	9.3	1.7	0.7	1.6		
04.18	7.9	6.0	5.1	8.2	1.4	8.1	10.4	-6.4	8.2	7.4	-6.6	3.1	2.4	-0.3	-2.4	6.1	3.9	4.7	7.1	-0.7	7.1	1.5	-1.1	1.0	6.0	-4.9	3.6	8.4	7.5	3.8	4.6	-0.9	4.5				
05.00	13.3	-3.3	12.9	8.1	2.3	7.8	9.6	-6.7	8.2	7.2	-5.4	4.8	1.7	1.3	-1.5	3.2	-0.3	3.2	8.3	0.7	8.3	2.3	-1.3	1.8	-6.4	5.2	6.1	-3.6	4.9	6.8	2.8	6.2	6.7	-2.4	6.2		
05.06	15.0	-8.1	12.7	8.0	0.9	8.0	8.6	-5.5	6.6	8.5	-4.1	7.6	3.1	3.1	0.6	7.1	2.0	6.4	10.1	2.1	10.1	-0.3	-2.1	7.0	-3.8	5.9	7.4	-4.7	5.7	1.1	-1.4	11.0	10.3	-1.5	10.2		
05.12	10.7	1.4	10.7	1.5	-0.1	11.0	4.3	-3.5	6.6	2.6	-1.9	6.7	2.3	0.3	0.5	9.3	-0.6	9.3	11.2	1.2	10.2	-0.4	-0.4	6.2	-3.3	5.2	9.5	1.3	0.3	0.5	1.1	1.1	1.1	0.1	0.5	0.1	
05.18	12.4	1.1	12.4	1.5	-0.1	12.4	4.5	-4.1	4.5	4.5	-0.4	4.5	4.5	-0.4	0.4	1.0	4.5	-0.4	4.5	4.5	4.5	-0.4	4.5	4.5	-0.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
05.24	10.7	1.4	12.3	9.4	-1.9	12.4	2.7	-2.7	2.7	2.7	-2.7	2.7	2.7	-2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7		
06.00	12.4	11.8	3.9	8.0	4.8	6.5	2.2	1.2	6.4	5.3	-0.4	6.4	6.4	1.6	1.6	0.3	4.3	-0.2	4.3	4.5	3.1	-3.3	2.9	2.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7			
06.12	14.6	8.5	11.8	8.3	7.0	4.5	3.3	-2.6	2.1	5.7	4.7	-3.2	11.1	-1.3	11.0	2.2	1.6	1.6	3.8	-0.3	3.8	3.9	2.1	-3.3	5.3	-4.3	3.1	14.6	-11.6	8.8	4.7	4.0	2.6	9.3	9.3	-0.6	0.6
06.18	13.5	8.6	10.3	8.1	7.0	4.0	2.9	-0.1	5.1	5.1	-0.7	16.8	-4.3	16.3	0.0	2.1	3.4	4.9	3.0	3.8	2.9	5.6	4.4	3.4	14.8	-10.9	10.0	6.6	6.0	0.1	8.7	8.6	-1.2	0.6			
07.00	13.1	8.4	10.1	10.6	6.7	8.1	4.1	3.8	1.7	1.5	6.1	2.1	2.1	4.6	4.6	1.9	1.6	2.1	4.6	1.9	1.6	2.1	4.6	1.9	1.6	2.1	4.6	1.9	1.6	2.1	4.6	1.9	1.6	2.1			
07.12	12.7	10.6	7.0	16.3	3.3	16.0	5.2	3.5	3.9	8.8	8.2	2.9	16.2	-2.3	16.0	5.1	2.1	2.4	6.5	3.7	2.7	1.0	2.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
07.18	15.4	-1.0	20.4	2.3	20.5	2.3	20.5	6.6	6.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
07.24	10.7	2.3	8.8	2.8	7.6	11.1	11.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
07.30	20.7	2.1	18.0	5.4	5.6	6.0	16.8	1.6	10.3	8.2	8.8	-8.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		
08.00	12.4	10.0	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4				
08.12	10.5	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2				
08.18	13.9	-1.1	4.6	4.6	3.9	3.9	6.7	-2.4	6.7	8.4	5.7	6.1	3.2	2.5	-0.2	13.3	1.1	0.1	8.7	1.1	0.1	8.7	1.1	0.1	8.7	1.1	0.1	8.7	1.1	0.1	8.7	1.1	0.1	8.7	1.1	0.1	
08.24	11.6	3.4	14.6	4.4	4.4	4.4	11.6	3.4	14.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4		
08.30	13.1	4.2	12.4	10.4	4.1	9.5	12.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
08.36	13.0	-0.7	2.5	2.5	2.5	2.5	18.9	-0.7	13.4	6.3	0.3	6.7	8.2	-3.7	5.8	-0.7	6.2	8.2	-0.7	6.2	8.2	-0.7	6.2	8.2	-0.7	6.2	8.2	-0.7	6.2	8.2	-0.7	6.2	8.2	-0.7	6.2		
08.42	15.1	2.0	12.4	20.4	5.0	17.9	25.0	4.7	9.3	-3.0	8.8	-8.8	1.1	-7.5	4.6	-0.7	14.2	1.1	-0.1	15.3	0.0	1.1	-0.1	15.3	0.0	1.1	-0.1	15.3	0.0	1.1	-0.1	15.3	0.0	1.1	-0.1		
08.48	5.1	3.4	14.4	4.4	4.4	4.4	13.2	7.3	13.5	1.7	-13.3	-10.9	-1.1	-10.9	-4.1	0.7	14.2	7.3	1.1	7.3	1.1	7.3	1.1	7.3	1.1	7.3	1.1	7.3	1.1	7.3	1.1	7.3	1.1	7.3			
08.54	10.4	-0.8	10.4	7.7	7.7	7.7	10.4	-0.8	10.4	7.7	-0.8	3.1	-1.1	-0.1	-0.1	10.4	-0.8	10.4	7.7	-0.8	10.4	7.7	-0.8	10.4	-0.8	10.4	-0.8	10.4	-0.8	10.4	-0.8	10.4	-0.8	10.4			
08.60	17.1	-1.1	12.8	17.7	-6.0	28.2	19.6	17.4	8.8	7.2	5.1	13.7	-11.5	-7.5	6.0	1.5	-0.7	14.																			

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Dzień/Godzina	Jan V	u	v	Feb V	u	v	Mar V	u	v	Apr V	u	v	May V	u	v	Jun V	u	v	Jul V	u	v	Aug V	u	v	Sep V	u	v	Oct V	u	v	Nov V	u	v	Dec V	u	v			
01.00	138	116	-7,5	148	147	4,5	92	59	7,1	75	93	-7,5	84	0,5	8,4	166	58	15,6	31	0,8	-3,0	106	10,2	-3,0	149	-5,0	14,0	9,6	9,1	-3,0	112	8,9	6,9	176	15,9	-7,4			
01.00	150	126	-8,4	176	176	0,0	161	53	15,0	108	56	-0,2	54	0,2	-1,5	167	9,3	7,1	23	0,6	-2,2	95	9,2	-2,5	64	4,3	8,9	11,8	11,2	-3,6	118	10,5	5,0	200	13,4	-14,9			
01.12	161	146	-6,7	185	184	4,2	170	4,9	173	111	9,2	-6,3	63	4,7	-2,2	32	4,7	-1,2	56	5,4	-1,3	23	0,6	-2,2	33	13,1	-2,2	137	13,1	-2,2	120	11,4	-3,7	94	9,0	-2,7	168	12,1	-11,7
02.00	176	172	-3,4	161	160	1,5	109	5,3	9,6	133	11,2	-7,1	75	6,6	-3,5	29	0,2	-2,9	37	3,2	-1,8	56	5,4	-1,3	1,3	-1,3	-0,4	120	11,4	-3,7	124	12,1	-5,5	9,9	8,3	-5,5	8,5	8,5	-0,3
02.06	251	249	2,7	122	119	5,0	125	6,8	105	132	12,9	-2,6	146	13,7	-5,1	74	0,9	7,3	21	-2,1	0,1	37	0,3	3,6	102	7,4	-7,0	157	15,1	-4,4	109	9,4	-5,5	8,9	8,8	-1,3			
02.18	302	267	-14,2	102	92	4,3	98	8,7	4,6	-9,1	85	7,0	-4,8	110	8,5	7,0	3,2	-29	1,4	1,4	0,1	1,4	9,2	8,8	-2,4	133	12,1	-5,5	9,9	8,3	-5,5	8,5	8,5	-0,3					
02.12	328	313	-9,6	11,8	10,8	4,8	9,9	2,3	9,6	9,2	6,6	-6,3	136	12,0	-6,3	118	4,4	10,9	3,3	-3,3	0,1	2,2	-0,1	22	105	10,0	-3,4	172	15,9	-6,7	111	9,5	-5,5	6,8	6,7	0,2			
03.00	30,0	264	-14,1	9,4	7,9	5,1	15,0	15,0	-0,2	103	5,9	-8,5	52	5,0	-1,3	152	14,0	6,0	3,3	-19	3,3	1,3	0,8	-1,0	71	6,9	-1,6	91	9,1	-2,9	65	5,7	-3,3	117	11,7	-1,2			
03.06	31,5	232	-14,7	8,0	6,1	5,2	17,0	4,9	173	11,2	9,2	-6,3	63	4,7	-2,2	37	3,2	-1,7	56	5,4	-1,3	2,3	-0,2	35	3,1	-1,2	38	3,7	-0,3	137	13,1	-2,1							
02.12	24,9	17,6	-1,7	13,1	13,1	3,8	17,2	2,4	-2,5	4,8	19	-3,5	103	11,7	-4,7	120	3,4	14,8	3,3	-2,2	1,8	1,1	-0,1	2,6	125	12,1	-5,5	34	3,4	-0,9	108	10,8	-0,3						
03.17	13,7	14,7	-1,7	13,1	13,1	3,8	17,2	2,4	-2,5	4,8	19	-3,5	103	11,7	-4,7	120	3,4	14,8	3,3	-2,2	1,8	1,1	-0,1	2,6	125	12,1	-5,5	34	3,4	-0,9	108	10,8	-0,3						
04.00	17,2	11,4	-12,9	3,3	0,6	3,3	11,1	10,3	4,6	5,2	1,9	-4,8	172	-3,5	16,8	15,5	12,6	-9,1	4,7	3,4	3,2	6,2	-4,6	1,6	0,3	16,4	-0,4	6,4	3,1	2,7	-1,4	12,4	9,5	8,0					
04.06	21,7	11,1	-18,7	4,0	0,0	4,0	5,6	5,3	-1,6	5,6	1,5	-5,4	181	-4,2	17,6	13,3	11,2	-4,7	2,1	3,3	2,5	9,4	-5,5	7,7	0,8	0,7	5,4	4,4	3,0	-3,2	17,4	12,4	12,2						
04.12	21,3	8,2	-19,6	3,6	-1,5	3,5	6,7	5,9	-3,1	8,6	1,0	-8,5	80	-0,3	8,6	6,0	-6,2	2,6	1,9	1,9	12,7	-0,1	10,0	3,7	5,2	5,1	0,4	1,9	4,3	3,3	-2,8	22,0	21,9	-2,6					
04.18	19,3	52	-18,5	3,6	-1,9	3,1	7,1	7,0	1,1	8,8	1,0	-8,7	34	1,8	2,9	7,3	4,9	-5,4	2,4	1,0	2,2	13,7	-6,5	12,1	6,0	5,8	1,8	2,0	-0,9	29,5	26,6	-12,6							
05.00	15,3	6,5	-13,8	3,5	-3,0	2,6	5,6	5,5	-1,2	10,5	2,4	-10,2	38	3,0	2,4	6,3	5,3	-3,4	3,2	0,6	3,2	8,8	-2,6	8,5	9,7	8,0	5,5	1,2	0,6	1,4	0,7	1,2	19,7	19,6	-1,6				
05.06	9,8	6,1	-7,7	3,5	-3,3	3,1	5,0	5,4	-3,6	9,7	3,0	-9,2	107	4,7	4,4	-1,7	3,7	0,8	0,7	3,5	0,6	-14,6	9,0	9,0	11,6	11,6	-0,7	0,4	4,0	20,7	20,6	2,2							
05.12	9,3	1,1	-9,2	3,0	-2,9	3,4	2,0	-2,8	9,3	2,0	-9,1	175	-3,7	17,1	13,2	11,3	-2,6	2,3	1,2	1,3	10,7	-0,1	10,1	3,4	3,3	-0,7	4,1	0,1	4,3	24,2	24,1	2,4							
05.18	7,6	-3,6	-2,6	2,0	-2,5	2,1	5,8	5,7	-0,1	4,1	4,1	-4,7	41	4,1	-1,7	17,6	12,6	-2,6	6,0	4,5	-0,1	4,4	-0,1	4,3	-0,1	4,3	-0,1	4,3	-0,1	4,3	-0,1	4,3	-0,1	4,3	-0,1	4,3			
05.24	3,8	-2,2	-2,2	2,0	-1,9	2,2	5,7	5,7	-0,1	4,7	4,7	-4,2	103	0,6	-10,3	13,9	13,9	-2,6	3,7	0,5	-0,5	1,4	-0,1	1,4	-0,1	1,4	-0,1	1,4	-0,1	1,4	-0,1	1,4	-0,1	1,4	-0,1	1,4			
05.30	4,0	-2,0	-3,5	9,7	-2,7	6,5	10,0	9,9	-8,8	1,0	-8,5	17,2	-3,5	16,8	13,6	12,6	-2,6	2,8	-0,3	0,6	-0,6	0,6	-0,1	16,2	11,0	-3,6	11,0	11,0	-3,6	11,0	11,0	-3,6	11,0	11,0	-3,6				
06.00	4,0	-2,0	-3,5	9,7	-2,7	6,5	10,0	9,9	-8,8	1,0	-8,5	17,2	-3,5	16,8	13,6	12,6	-2,6	2,8	-0,3	0,6	-0,6	0,6	-0,1	16,2	11,0	-3,6	11,0	11,0	-3,6	11,0	11,0	-3,6	11,0	11,0	-3,6				
06.06	17,2	11,1	-6,4	12,8	10,1	-7,9	12,7	12,6	1,4	8,2	-3,7	7,4	4,3	4,3	0,1	9,1	6,1	-2,6	1,2	1,1	3,8	-0,1	10,0	3,7	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1		
06.12	6,4	-1,1	6,4	12,8	10,1	-7,9	12,7	12,6	1,4	8,2	-3,7	7,4	4,3	4,3	0,1	9,1	6,1	-2,6	1,2	1,1	3,8	-0,1	10,0	3,7	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1		
06.18	10,3	2,5	10,0	10,8	8,6	-5,6	10,8	10,8	-0,4	7,2	7,2	5,2	5,2	4,5	-0,1	10,8	7,6	-2,6	1,2	1,1	3,8	-0,1	10,0	3,7	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1	11,0	8,5	-0,1		
07.00	14,5	51	13,5	11,9	9,4	-6,6	8,4	-0,7	9,3	5,6	-7,4	5,3	3,7	4,1	9,6	14,5	-2,8	14,5	-4,2	1,4	1,1	3,8	-0,1	13,0	5,6	-1,1	13,0	5,6	-1,1	13,0	5,6	-1,1	13,0	5,6	-1,1				
07.06	16,7	6,8	15,3	14,4	13,3	-1,9	14,4	13,3	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9				
07.12	12,2	8,3	8,3	14,4	13,3	-1,9	14,4	13,3	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9				
07.18	27,7	-17,3	8,8	7,1	-5,2	15,5	11,9	-1,7	14,4	13,3	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9				
07.24	25,3	-2,0	4,6	3,1	-1,1	11,9	-1,7	14,4	13,3	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9	14,4	-1,9			
07.30	17,2	17,2	0,8	5,9	3,0	-3,7	12,7	12,7	0,0	8,2	3,7	-7,3	6,5	1,1	-6,4	5,9	-3,6	14,6	-10,4	10,4	7,9	5,5	7,7	15,9	-11,5	9,3	8,0	7,3	2,1	1,1	-1,6	1,1	-1,6	1,1	-1,6	1,1	-1,6		
07.36	8,6	-0,8	15,8	14,2	-1,7	7,0	8,3	-4,1	12,4	11,4	-0,8	11,8	-1,0	11,8	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0	12,4	-1,0				
07.42	7,2	6,6	2,9	16,1	15,2	-1,7	5,2	7,1	-4,7	5,3	10,9	-1,8	8,1	-0,1	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2	10,2	-0,2					
07.48	6,3	4,5	1,4	16,1	16,0	-1,1	5,1	4,0	-3,6	3,5	6,3	3,3	5,3	7,6	1,3	5,7	12,5	-2,7	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8	12,5	-2,8			
07.54	5,9	1,0	-1,7	16,1	16,0	-1,1	5,1	4,0	-3,6	3,5	6,3	3,3																											



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