


<b>SERVIÇO PÚBLICO ESTADUAL</b>	
Processo nº _____	
Data: _____	Fls: _____
Rubrica: _____	ID: _____

	<b>UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO</b> <b>DIRETORIA DE ADMINISTRAÇÃO FINANCEIRA</b> <b>DEPARTAMENTO DE PATRIMÔNIO</b>	<b>ATUALIZAÇÃO DE AVALIAÇÃO - LOCAÇÃO IMÓVEL RESIDENCIAL</b> Imóvel: Avenida São Sebastião, 266 - Urca/RJ PROPRIETÁRIO: UERJ
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Data de Atualização	8/13/2019
Índice	FIPE/ZAP

Mês de Referência	Valor avaliado	Fator de Correção
Mar/2015	R\$ 11,830.38	0.7654647546

<b>VALOR ATUALIZADO FINAL</b>
<b>VALOR ATUALIZADO MÁXIMO</b>
<b>VALOR ATUALIZADO MÍNIMO</b>

<b>R\$</b>	<b>9,055.74</b>
<b>R\$</b>	<b>10,414.10</b>
<b>R\$</b>	<b>7,697.38</b>

FIPE/ZAP - RESIDENCIAL - RIO DE JANEIRO		
Mês ref.	Índice	Fator
Apr/2015	-0.39%	0.9961000000
May/2015	-0.99%	0.9901000000
Jun/2015	-1.63%	0.9837000000
Jul/2015	-1.49%	0.9851000000
Aug/2015	-1.48%	0.9852000000
Sep/2015	-1.14%	0.9886000000
Oct/2015	-1.00%	0.9900000000
Nov/2015	-0.91%	0.9909000000
Dec/2015	-0.46%	0.9954000000
Jan/2016	-0.21%	0.9979000000
Feb/2016	-0.08%	0.9992000000
Mar/2016	-0.36%	0.9964000000
Apr/2016	-0.68%	0.9932000000
May/2016	-1.07%	0.9893000000
Jun/2016	-1.25%	0.9875000000
Jul/2016	-1.14%	0.9886000000
Aug/2016	-0.37%	0.9963000000
Sep/2016	-0.11%	0.9989000000
Oct/2016	-0.14%	0.9986000000
Nov/2016	-0.47%	0.9953000000
Dec/2016	-0.51%	0.9949000000

FIPE/ZAP - RESIDENCIAL - RIO DE JANEIRO		
Mês ref.	Índice	Fator
Jan/2017	-0.50%	0.9950000000
Feb/2017	-0.32%	0.9968000000
Mar/2017	-0.11%	0.9989000000
Apr/2017	-0.33%	0.9967000000
May/2017	-0.64%	0.9936000000
Jun/2017	-1.10%	0.9890000000
Jul/2017	-1.21%	0.9879000000
Aug/2017	-1.38%	0.9862000000
Sep/2017	-1.31%	0.9869000000
Oct/2017	-1.06%	0.9894000000
Nov/2017	-0.70%	0.9930000000
Dec/2017	-0.17%	0.9983000000
Jan/2018	-0.10%	0.9990000000
Feb/2018	0.20%	1.0020000000
Mar/2018	0.15%	1.0015000000
Apr/2018	0.15%	1.0015000000
May/2018	-0.22%	0.9978000000
Jun/2018	-0.66%	0.9934000000
Jul/2018	-0.78%	0.9922000000
Aug/2018	-0.62%	0.9938000000
Sep/2018	-0.54%	0.9946000000

Ano ref.	Índice	Fator	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
Jan-08	0.00%	1	0	0	0	0	0	0	0
Feb-08	-1.29%	0.9871	0.9871	0	0	0	0	0	0
Mar-08	4.14%	1.0414	1.027966	1.0414	0	0	0	0	0
Apr-08	-2.07%	0.9793	1.006687	1.019843	0.9793	0	0	0	0
May-08	0.81%	1.0081	1.014841	1.028104	0.987232	1.0081	0	0	0
Jun-08	-2.78%	0.9722	0.986629	0.999522	0.959787	0.980075	0.9722	0	0
Jul-08	1.02%	1.0102	0.996692	1.009718	0.969577	0.990072	0.982116	1.0102	0
Aug-08	0.53%	1.0053	1.001975	1.015069	0.974716	0.995319	0.987322	1.015554	1.0053
Sep-08	2.73%	1.0273	1.029329	1.04278	1.001326	1.022491	1.014276	1.043279	1.032745
Oct-08	4.12%	1.0412	1.071737	1.085743	1.04258	1.064618	1.056064	1.086262	1.075294
Nov-08	2.57%	1.0257	1.099281	1.113647	1.069375	1.091978	1.083205	1.114179	1.102929
Dec-08	0.84%	1.0084	1.108515	1.123001	1.078357	1.101151	1.092303	1.123538	1.112193
Jan-09	0.40%	1.004	1.112949	1.127493	1.082671	1.105556	1.096673	1.128032	1.116642
Feb-09	1.06%	1.0106	1.124746	1.139445	1.094147	1.117275	1.108297	1.139989	1.128479
Mar-09	-0.14%	0.9986	1.123171	1.137849	1.092615	1.11571	1.106746	1.138393	1.126899
Apr-09	-0.44%	0.9956	1.118229	1.132843	1.087808	1.110801	1.101876	1.133384	1.12194
May-09	0.21%	1.0021	1.120578	1.135222	1.090092	1.113134	1.10419	1.135764	1.124296
Jun-09	0.56%	1.0056	1.126853	1.141579	1.096197	1.119368	1.110373	1.142125	1.130593
Jul-09	0.66%	1.0066	1.13429	1.149114	1.103432	1.126755	1.117702	1.149663	1.138054
Aug-09	1.69%	1.0169	1.15346	1.168534	1.12208	1.145798	1.136591	1.169092	1.157288
Sep-09	2.16%	1.0216	1.178374	1.193774	1.146316	1.170547	1.161141	1.194344	1.182285
Oct-09	3.54%	1.0354	1.220089	1.236034	1.186896	1.211984	1.202246	1.236624	1.224138
Nov-09	2.41%	1.0241	1.249493	1.265822	1.2155	1.241193	1.23122	1.266427	1.25364
Dec-09	2.13%	1.0213	1.276107	1.292784	1.24139	1.26763	1.257445	1.293402	1.280342
Jan-10	0.54%	1.0054	1.282998	1.299765	1.248094	1.274476	1.264235	1.300386	1.287256
Feb-10	2.11%	1.0211	1.310069	1.32719	1.274429	1.301367	1.290911	1.327824	1.314417
Mar-10	3.00%	1.03	1.349371	1.367006	1.312662	1.340408	1.329638	1.367659	1.35385
Apr-10	2.29%	1.0229	1.380272	1.39831	1.342721	1.371103	1.360087	1.398978	1.384853
May-10	1.01%	1.0101	1.394213	1.412433	1.356283	1.384951	1.373823	1.413108	1.39884
Jun-10	-0.40%	0.996	1.388636	1.406783	1.350858	1.379412	1.368328	1.407455	1.393244
Jul-10	0.30%	1.003	1.392802	1.411004	1.35491	1.38355	1.372433	1.411678	1.397424
Aug-10	1.19%	1.0119	1.409376	1.427795	1.371034	1.400014	1.388765	1.428477	1.414053
Sep-10	3.34%	1.0334	1.456449	1.475483	1.416826	1.446775	1.43515	1.476188	1.461283
Oct-10	2.99%	1.0299	1.499997	1.5196	1.459189	1.490033	1.478061	1.520326	1.504975
Nov-10	3.59%	1.0359	1.553847	1.574154	1.511574	1.543525	1.531123	1.574906	1.559004
Dec-10	2.26%	1.0226	1.588964	1.609729	1.545736	1.578409	1.565727	1.610498	1.594237
Jan-11	2.64%	1.0264	1.630913	1.652226	1.586543	1.620079	1.607062	1.653016	1.636325
Feb-11	1.09%	1.0109	1.64869	1.670236	1.603837	1.637738	1.624579	1.671034	1.654161
Mar-11	0.82%	1.0082	1.662209	1.683931	1.616988	1.651167	1.6379	1.684736	1.667725
Apr-11	2.27%	1.0227	1.699941	1.722157	1.653694	1.688649	1.675081	1.72298	1.705583
May-11	3.01%	1.0301	1.751109	1.773994	1.70347	1.739477	1.725501	1.774841	1.756921
Jun-11	2.35%	1.0235	1.79226	1.815682	1.743502	1.780355	1.76605	1.81655	1.798208
Jul-11	0.65%	1.0065	1.80391	1.827484	1.754834	1.791927	1.777529	1.828358	1.809897
Aug-11	0.43%	1.0043	1.811667	1.835343	1.76238	1.799632	1.785173	1.836219	1.817679
Sep-11	0.93%	1.0093	1.828515	1.852411	1.77877	1.816369	1.801775	1.853296	1.834584
Oct-11	1.74%	1.0174	1.860331	1.884643	1.809721	1.847974	1.833126	1.885544	1.866505
Nov-11	1.43%	1.0143	1.886934	1.911594	1.8356	1.8744	1.859339	1.912507	1.893196
Dec-11	2.28%	1.0228	1.929956	1.955178	1.877451	1.917136	1.901732	1.956112	1.936361
Jan-12	1.29%	1.0129	1.954853	1.9804	1.901671	1.941867	1.926265	1.981346	1.96134

<b>Feb-12</b>	1.37%	<b>1.0137</b>	1.981634	2.007531	1.927724	1.968471	1.952654	2.00849	1.988211
<b>Mar-12</b>	1.21%	<b>1.0121</b>	2.005612	2.031822	1.951049	1.992289	1.976281	2.032793	2.012268
<b>Apr-12</b>	1.56%	<b>1.0156</b>	2.036899	2.063519	1.981485	2.023369	2.007111	2.064505	2.043659
<b>May-12</b>	1.22%	<b>1.0122</b>	2.06175	2.088694	2.005659	2.048054	2.031598	2.089692	2.068592
<b>Jun-12</b>	0.41%	<b>1.0041</b>	2.070203	2.097257	2.013883	2.056451	2.039928	2.098259	2.077073
<b>Jul-12</b>	0.37%	<b>1.0037</b>	2.077863	2.105017	2.021334	2.06406	2.047476	2.106023	2.084758
<b>Aug-12</b>	0.31%	<b>1.0031</b>	2.084304	2.111543	2.0276	2.070459	2.053823	2.112552	2.091221
<b>Sep-12</b>	0.63%	<b>1.0063</b>	2.097435	2.124846	2.040374	2.083503	2.066762	2.125861	2.104396
<b>Oct-12</b>	0.44%	<b>1.0044</b>	2.106664	2.134195	2.049352	2.09267	2.075856	2.135214	2.113655
<b>Nov-12</b>	0.93%	<b>1.0093</b>	2.126256	2.154043	2.068411	2.112132	2.095161	2.155072	2.133312
<b>Dec-12</b>	1.11%	<b>1.0111</b>	2.149857	2.177953	2.09137	2.135576	2.118417	2.178993	2.156992
<b>Jan-13</b>	1.63%	<b>1.0163</b>	2.1849	2.213453	2.125459	2.170386	2.152947	2.214511	2.192151
<b>Feb-13</b>	1.70%	<b>1.017</b>	2.222043	2.251082	2.161592	2.207283	2.189548	2.252158	2.229417
<b>Mar-13</b>	1.78%	<b>1.0178</b>	2.261595	2.291151	2.200068	2.246573	2.228522	2.292246	2.269101
<b>Apr-13</b>	1.41%	<b>1.0141</b>	2.293484	2.323457	2.231089	2.278249	2.259944	2.324567	2.301095
<b>May-13</b>	0.57%	<b>1.0057</b>	2.306557	2.3367	2.243807	2.291235	2.272825	2.337817	2.314212
<b>Jun-13</b>	0.21%	<b>1.0021</b>	2.311401	2.341607	2.248519	2.296047	2.277598	2.342726	2.319072
<b>Jul-13</b>	0.04%	<b>1.0004</b>	2.312325	2.342544	2.249418	2.296965	2.278509	2.343663	2.319999
<b>Aug-13</b>	-0.07%	<b>0.9993</b>	2.310707	2.340904	2.247843	2.295357	2.276914	2.342023	2.318375
<b>Sep-13</b>	-0.35%	<b>0.9965</b>	2.302619	2.332711	2.239976	2.287324	2.268945	2.333826	2.310261
<b>Oct-13</b>	0.06%	<b>1.0006</b>	2.304001	2.334111	2.24132	2.288696	2.270307	2.335226	2.311647
<b>Nov-13</b>	0.29%	<b>1.0029</b>	2.310682	2.34088	2.24782	2.295333	2.27689	2.341998	2.318351
<b>Dec-13</b>	0.80%	<b>1.008</b>	2.329168	2.359607	2.265802	2.313696	2.295106	2.360734	2.336898
<b>Jan-14</b>	0.91%	<b>1.0091</b>	2.350363	2.381079	2.286421	2.334751	2.315991	2.382217	2.358163
<b>Feb-14</b>	1.29%	<b>1.0129</b>	2.380683	2.411795	2.315916	2.364869	2.345867	2.412947	2.388584
<b>Mar-14</b>	1.30%	<b>1.013</b>	2.411632	2.443148	2.346023	2.395612	2.376364	2.444316	2.419635
<b>Apr-14</b>	1.00%	<b>1.01</b>	2.435748	2.46758	2.369483	2.419568	2.400127	2.468759	2.443832
<b>May-14</b>	0.82%	<b>1.0082</b>	2.455721	2.487814	2.388913	2.439409	2.419808	2.489003	2.463871
<b>Jun-14</b>	0.43%	<b>1.0043</b>	2.466281	2.498512	2.399185	2.449898	2.430213	2.499705	2.474466
<b>Jul-14</b>	0.35%	<b>1.0035</b>	2.474913	2.507256	2.407582	2.458473	2.438719	2.508454	2.483126
<b>Aug-14</b>	-0.08%	<b>0.9992</b>	2.472933	2.50525	2.405656	2.456506	2.436768	2.506447	2.48114
<b>Sep-14</b>	-0.50%	<b>0.995</b>	2.460568	2.492724	2.393628	2.444223	2.424584	2.493915	2.468734
<b>Oct-14</b>	-1.07%	<b>0.9893</b>	2.43424	2.466052	2.368016	2.41807	2.398641	2.46723	2.442319
<b>Nov-14</b>	-0.91%	<b>0.9909</b>	2.412088	2.443611	2.346467	2.396066	2.376814	2.444778	2.420094
<b>Dec-14</b>	-0.44%	<b>0.9956</b>	2.401475	2.432859	2.336143	2.385523	2.366356	2.434021	2.409445
<b>Jan-15</b>	0.11%	<b>1.0011</b>	2.404117	2.435535	2.338713	2.388147	2.368959	2.436699	2.412096
<b>Feb-15</b>	0.48%	<b>1.0048</b>	2.415657	2.447226	2.349938	2.39961	2.38033	2.448395	2.423674
<b>Mar-15</b>	0.32%	<b>1.0032</b>	2.423387	2.455057	2.357458	2.407289	2.387947	2.45623	2.431429
<b>Apr-15</b>	-0.39%	<b>0.9961</b>	2.413936	2.445482	2.348264	2.397901	2.378634	2.446651	2.421947
<b>May-15</b>	-0.99%	<b>0.9901</b>	2.390038	2.421272	2.325016	2.374161	2.355085	2.422429	2.397969
<b>Jun-15</b>	-1.63%	<b>0.9837</b>	2.35108	2.381805	2.287119	2.335463	2.316697	2.382943	2.358883
<b>Jul-15</b>	-1.49%	<b>0.9851</b>	2.316049	2.346316	2.25304	2.300664	2.282179	2.347437	2.323735
<b>Aug-15</b>	-1.48%	<b>0.9852</b>	2.281771	2.311591	2.219695	2.266614	2.248402	2.312695	2.289344
<b>Sep-15</b>	-1.14%	<b>0.9886</b>	2.255759	2.285239	2.194391	2.240775	2.222771	2.286331	2.263245
<b>Oct-15</b>	-1.00%	<b>0.99</b>	2.233202	2.262386	2.172447	2.218367	2.200543	2.263467	2.240613
<b>Nov-15</b>	-0.91%	<b>0.9909</b>	2.212879	2.241799	2.152678	2.19818	2.180518	2.24287	2.220223
<b>Dec-15</b>	-0.46%	<b>0.9954</b>	2.2027	2.231486	2.142775	2.188068	2.170488	2.232552	2.21001
<b>Jan-16</b>	-0.21%	<b>0.9979</b>	2.198075	2.2268	2.138276	2.183474	2.165929	2.227864	2.205369
<b>Feb-16</b>	-0.08%	<b>0.9992</b>	2.196316	2.225019	2.136565	2.181727	2.164197	2.226082	2.203605
<b>Mar-16</b>	-0.36%	<b>0.9964</b>	2.188409	2.217009	2.128873	2.173873	2.156406	2.218068	2.195672

<b>Apr-16</b>	-0.68%	<b>0.9932</b>	2.173528	2.201933	2.114397	2.15909	2.141742	2.202985	2.180742
<b>May-16</b>	-1.07%	<b>0.9893</b>	2.150271	2.178372	2.091773	2.135988	2.118825	2.179413	2.157408
<b>Jun-16</b>	-1.25%	<b>0.9875</b>	2.123393	2.151143	2.065626	2.109288	2.09234	2.15217	2.13044
<b>Jul-16</b>	-1.14%	<b>0.9886</b>	2.099186	2.12662	2.042078	2.085242	2.068487	2.127636	2.106153
<b>Aug-16</b>	-0.37%	<b>0.9963</b>	2.091419	2.118751	2.034522	2.077527	2.060834	2.119763	2.09836
<b>Sep-16</b>	-0.11%	<b>0.9989</b>	2.089119	2.116421	2.032284	2.075242	2.058567	2.117432	2.096052
<b>Oct-16</b>	-0.14%	<b>0.9986</b>	2.086194	2.113458	2.029439	2.072336	2.055685	2.114467	2.093118
<b>Nov-16</b>	-0.47%	<b>0.9953</b>	2.076389	2.103524	2.0199	2.062596	2.046023	2.104529	2.08328
<b>Dec-16</b>	-0.51%	<b>0.9949</b>	2.065799	2.092796	2.009599	2.052077	2.035589	2.093796	2.072655
<b>Jan-17</b>	-0.50%	<b>0.995</b>	2.05547	2.082332	1.999551	2.041817	2.025411	2.083327	2.062292
<b>Feb-17</b>	-0.32%	<b>0.9968</b>	2.048893	2.075669	1.993152	2.035283	2.018929	2.076661	2.055693
<b>Mar-17</b>	-0.11%	<b>0.9989</b>	2.046639	2.073386	1.99096	2.033044	2.016709	2.074376	2.053431
<b>Apr-17</b>	-0.33%	<b>0.9967</b>	2.039885	2.066544	1.98439	2.026335	2.010053	2.067531	2.046655
<b>May-17</b>	-0.64%	<b>0.9936</b>	2.02683	2.053318	1.97169	2.013366	1.997189	2.054299	2.033556
<b>Jun-17</b>	-1.10%	<b>0.989</b>	2.004535	2.030731	1.950001	1.991219	1.97522	2.031701	2.011187
<b>Jul-17</b>	-1.21%	<b>0.9879</b>	1.98028	2.006159	1.926406	1.967126	1.95132	2.007118	1.986852
<b>Aug-17</b>	-1.38%	<b>0.9862</b>	1.952952	1.978474	1.899822	1.939979	1.924392	1.97942	1.959433
<b>Sep-17</b>	-1.31%	<b>0.9869</b>	1.927368	1.952556	1.874934	1.914566	1.899182	1.953489	1.933765
<b>Oct-17</b>	-1.06%	<b>0.9894</b>	1.906938	1.931859	1.85506	1.894271	1.879051	1.932782	1.913267
<b>Nov-17</b>	-0.70%	<b>0.993</b>	1.89359	1.918336	1.842074	1.881011	1.865897	1.919253	1.899874
<b>Dec-17</b>	-0.17%	<b>0.9983</b>	1.890371	1.915075	1.838943	1.877814	1.862725	1.91599	1.896644
<b>Jan-18</b>	-0.10%	<b>0.999</b>	1.88848	1.91316	1.837104	1.875936	1.860863	1.914074	1.894748
<b>Feb-18</b>	0.20%	<b>1.002</b>	1.892257	1.916986	1.840778	1.879688	1.864584	1.917902	1.898537
<b>Mar-18</b>	0.15%	<b>1.0015</b>	1.895096	1.919862	1.843539	1.882507	1.867381	1.920779	1.901385
<b>Apr-18</b>	0.15%	<b>1.0015</b>	1.897938	1.922742	1.846305	1.885331	1.870182	1.92366	1.904237
<b>May-18</b>	-0.22%	<b>0.9978</b>	1.893763	1.918511	1.842243	1.881183	1.866068	1.919428	1.900048
<b>Jun-18</b>	-0.66%	<b>0.9934</b>	1.881264	1.905849	1.830084	1.868767	1.853752	1.90676	1.887507
<b>Jul-18</b>	-0.78%	<b>0.9922</b>	1.86659	1.890984	1.815809	1.854191	1.839293	1.891887	1.872785
<b>Aug-18</b>	-0.62%	<b>0.9938</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Sep-18</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Oct-18</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Nov-18</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Dec-18</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Jan-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Feb-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Mar-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Apr-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>May-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Jun-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Jul-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Aug-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Sep-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Oct-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Nov-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Dec-19</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Jan-20</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Feb-20</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Mar-20</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Apr-20</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>May-20</b>	0	<b>1</b>	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173

<b>Jun-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Jul-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Aug-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Sep-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Oct-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Nov-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173
<b>Dec-20</b>	0	1	1.855017	1.87926	1.804551	1.842695	1.827889	1.880157	1.861173

Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.0273	0	0	0	0	0	0	0	0	0
1.069625	1.0412	0	0	0	0	0	0	0	0
1.097114	1.067959	1.0257	0	0	0	0	0	0	0
1.10633	1.07693	1.034316	1.0084	0	0	0	0	0	0
1.110755	1.081237	1.038453	1.012434	1.004	0	0	0	0	0
1.122529	1.092699	1.049461	1.023165	1.014642	1.0106	0	0	0	0
1.120958	1.091169	1.047992	1.021733	1.013222	1.009185	0.9986	0	0	0
1.116025	1.086368	1.04338	1.017237	1.008764	1.004745	0.994206	0.9956	0	0
1.118369	1.088649	1.045571	1.019374	1.010882	1.006855	0.996294	0.997691	1.0021	0
1.124632	1.094745	1.051427	1.025082	1.016543	1.012493	1.001873	1.003278	1.007712	1.0056
1.132055	1.101971	1.058366	1.031848	1.023252	1.019176	1.008486	1.009899	1.014363	1.012237
1.151186	1.120594	1.076252	1.049286	1.040545	1.0364	1.025529	1.026967	1.031505	1.029344
1.176052	1.144799	1.099499	1.07195	1.063021	1.058786	1.04768	1.049149	1.053786	1.051578
1.217684	1.185325	1.138422	1.109897	1.100652	1.096267	1.084768	1.086289	1.09109	1.088803
1.24703	1.213891	1.165858	1.136646	1.127178	1.122687	1.110911	1.112469	1.117385	1.115044
1.273592	1.239747	1.190691	1.160856	1.151187	1.1466	1.134574	1.136164	1.141185	1.138794
1.280469	1.246442	1.19712	1.167125	1.157403	1.152792	1.1407	1.1423	1.147348	1.144944
1.307487	1.272742	1.222379	1.191751	1.181824	1.177116	1.164769	1.166402	1.171557	1.169102
1.346712	1.310924	1.259051	1.227504	1.217279	1.212429	1.199712	1.201394	1.206704	1.204175
1.377552	1.340944	1.287883	1.255614	1.245155	1.240194	1.227186	1.228906	1.234337	1.23175
1.391465	1.354487	1.300891	1.268296	1.257731	1.25272	1.23958	1.241318	1.246804	1.244191
1.385899	1.349069	1.295687	1.263222	1.2527	1.247709	1.234622	1.236353	1.241817	1.239214
1.390057	1.353117	1.299574	1.267012	1.256458	1.251452	1.238326	1.240062	1.245542	1.242932
1.406598	1.369219	1.315039	1.282089	1.27141	1.266344	1.253062	1.254819	1.260364	1.257723
1.453579	1.414951	1.358961	1.324911	1.313875	1.30864	1.294914	1.296729	1.30246	1.299731
1.497041	1.457258	1.399594	1.364526	1.35316	1.347768	1.333632	1.335502	1.341404	1.338593
1.550785	1.509573	1.44984	1.413513	1.401738	1.396153	1.381509	1.383446	1.38956	1.386648
1.585832	1.54369	1.482606	1.445458	1.433417	1.427706	1.412731	1.414712	1.420964	1.417987
1.627698	1.584443	1.521747	1.483618	1.471259	1.465398	1.450028	1.45206	1.458478	1.455421
1.64544	1.601713	1.538334	1.49979	1.487296	1.481371	1.465833	1.467888	1.474375	1.471286
1.658933	1.614848	1.550948	1.512088	1.499492	1.493518	1.477853	1.479925	1.486465	1.48335
1.696591	1.651505	1.586155	1.546412	1.533531	1.527421	1.5114	1.513519	1.520208	1.517022
1.747658	1.701215	1.633898	1.592959	1.57969	1.573396	1.556893	1.559076	1.565966	1.562684
1.788728	1.741193	1.672295	1.630394	1.616813	1.610371	1.59348	1.595714	1.602766	1.599408
1.800355	1.752511	1.683165	1.640991	1.627322	1.620838	1.603838	1.606086	1.613184	1.609804
1.808096	1.760047	1.690402	1.648048	1.634319	1.627808	1.610734	1.612992	1.620121	1.616726
1.824912	1.776415	1.706123	1.663374	1.649518	1.642947	1.625714	1.627993	1.635188	1.631761
1.856665	1.807325	1.73581	1.692317	1.67822	1.671534	1.654002	1.65632	1.66364	1.660154
1.883215	1.83317	1.760632	1.716517	1.702219	1.695437	1.677654	1.680006	1.68743	1.683894
1.926153	1.874966	1.800774	1.755654	1.741029	1.734093	1.715904	1.71831	1.725904	1.722287
1.951	1.899153	1.824004	1.778302	1.763488	1.756463	1.738039	1.740476	1.748168	1.744505

1.977729	1.925171	1.848993	1.802665	1.787648	1.780526	1.761851	1.764321	1.772118	1.768404
2.001659	1.948466	1.871366	1.824477	1.809279	1.802071	1.783169	1.785669	1.793561	1.789802
2.032885	1.978862	1.900559	1.852939	1.837504	1.830183	1.810986	1.813525	1.82154	1.817723
2.057686	2.003004	1.923746	1.875544	1.859921	1.852511	1.83308	1.83565	1.843763	1.839899
2.066123	2.011217	1.931633	1.883234	1.867547	1.860106	1.840596	1.843176	1.851322	1.847443
2.073767	2.018658	1.93878	1.890202	1.874457	1.866989	1.847406	1.849996	1.858172	1.854278
2.080196	2.024916	1.944791	1.896062	1.880268	1.872776	1.853133	1.855731	1.863933	1.860026
2.093301	2.037673	1.957043	1.908007	1.892113	1.884575	1.864808	1.867422	1.875675	1.871745
2.102512	2.046639	1.965654	1.916402	1.900438	1.892867	1.873013	1.875639	1.883928	1.87998
2.122065	2.065672	1.983934	1.934225	1.918113	1.910471	1.890432	1.893082	1.901449	1.897464
2.14562	2.088601	2.005956	1.955695	1.939404	1.931677	1.911416	1.914096	1.922555	1.918526
2.180594	2.122646	2.038653	1.987572	1.971016	1.963163	1.942572	1.945295	1.953893	1.949798
2.217664	2.158731	2.07331	2.021361	2.004523	1.996537	1.975596	1.978365	1.987109	1.982945
2.257138	2.197156	2.110215	2.057341	2.040204	2.032075	2.010761	2.01358	2.022479	2.018241
2.288964	2.228136	2.139969	2.08635	2.068971	2.060728	2.039113	2.041972	2.050996	2.046698
2.302011	2.240836	2.152167	2.098242	2.080764	2.072474	2.050736	2.053611	2.062687	2.058364
2.306845	2.245542	2.156686	2.102648	2.085133	2.076826	2.055043	2.057924	2.067019	2.062687
2.307768	2.24644	2.157549	2.103489	2.085967	2.077657	2.055865	2.058747	2.067845	2.063512
2.306153	2.244868	2.156039	2.102017	2.084507	2.076202	2.054425	2.057306	2.066398	2.062067
2.298081	2.237011	2.148493	2.09466	2.077211	2.068936	2.047235	2.050105	2.059165	2.05485
2.29946	2.238353	2.149782	2.095917	2.078458	2.070177	2.048463	2.051335	2.060401	2.056083
2.306128	2.244844	2.156016	2.101995	2.084485	2.076181	2.054404	2.057284	2.066376	2.062046
2.324577	2.262803	2.173264	2.118811	2.101161	2.09279	2.070839	2.073742	2.082907	2.078542
2.345731	2.283394	2.193041	2.138092	2.120282	2.111834	2.089684	2.092613	2.101862	2.097457
2.375991	2.31285	2.221331	2.165673	2.147633	2.139077	2.116641	2.119608	2.128976	2.124514
2.406879	2.342917	2.250209	2.193827	2.175553	2.166885	2.144157	2.147163	2.156652	2.152133
2.430948	2.366346	2.272711	2.215765	2.197308	2.188554	2.165599	2.168635	2.178219	2.173654
2.450881	2.38575	2.291347	2.233935	2.215326	2.2065	2.183356	2.186417	2.19608	2.191478
2.46142	2.396009	2.3012	2.243541	2.224852	2.215988	2.192745	2.195819	2.205523	2.200901
2.470035	2.404395	2.309254	2.251393	2.232639	2.223744	2.200419	2.203504	2.213243	2.208605
2.468059	2.402472	2.307406	2.249592	2.230853	2.221965	2.198659	2.201742	2.211472	2.206838
2.455719	2.390459	2.295869	2.238344	2.219699	2.210855	2.187666	2.190733	2.200415	2.195804
2.429443	2.364881	2.271304	2.214394	2.195948	2.187199	2.164258	2.167292	2.17687	2.172308
2.407335	2.343361	2.250635	2.194243	2.175965	2.167295	2.144563	2.14757	2.157061	2.15254
2.396742	2.33305	2.240732	2.184588	2.16639	2.157759	2.135127	2.13812	2.14757	2.143069
2.399379	2.335616	2.243197	2.186991	2.168773	2.160133	2.137476	2.140472	2.149932	2.145427
2.410896	2.346827	2.253964	2.197489	2.179184	2.170502	2.147736	2.150747	2.160252	2.155725
2.418611	2.354337	2.261177	2.204521	2.186157	2.177447	2.154608	2.157629	2.167164	2.162623
2.409178	2.345155	2.252358	2.195923	2.177631	2.168955	2.146205	2.149214	2.158713	2.154189
2.385327	2.321938	2.23006	2.174183	2.156072	2.147482	2.124958	2.127937	2.137341	2.132862
2.346446	2.284091	2.19371	2.138744	2.120928	2.112478	2.090321	2.093252	2.102503	2.098097
2.311484	2.250058	2.161024	2.106877	2.089327	2.081003	2.059175	2.062062	2.071175	2.066835
2.277274	2.216757	2.12904	2.075695	2.058405	2.050204	2.028699	2.031544	2.040522	2.036246
2.251313	2.191486	2.104769	2.052032	2.034939	2.026831	2.005572	2.008384	2.01726	2.013033
2.2288	2.169571	2.083722	2.031512	2.014589	2.006563	1.985517	1.9883	1.997087	1.992902
2.208518	2.149828	2.06476	2.013025	1.996257	1.988303	1.967448	1.970207	1.978914	1.974767
2.198359	2.139939	2.055262	2.003765	1.987074	1.979157	1.958398	1.961144	1.969811	1.965683
2.193743	2.135445	2.050946	1.999557	1.982901	1.975001	1.954285	1.957025	1.965674	1.961555
2.191988	2.133737	2.049305	1.997958	1.981315	1.973421	1.952722	1.95546	1.964102	1.959986
2.184096	2.126055	2.041928	1.990765	1.974182	1.966317	1.945692	1.94842	1.957031	1.95293

2.169245	2.111598	2.028043	1.977228	1.960757	1.952946	1.932462	1.935171	1.943723	1.93965
2.146034	2.089004	2.006342	1.956071	1.939777	1.932049	1.911784	1.914464	1.922925	1.918896
2.119208	2.062891	1.981263	1.931621	1.91553	1.907899	1.887887	1.890534	1.898889	1.894909
2.095049	2.039374	1.958677	1.9096	1.893693	1.886148	1.866365	1.868982	1.877241	1.873307
2.087298	2.031829	1.95143	1.902535	1.886686	1.87917	1.859459	1.862066	1.870296	1.866376
2.085001	2.029594	1.949283	1.900442	1.884611	1.877103	1.857414	1.860018	1.868238	1.864323
2.082082	2.026752	1.946554	1.897781	1.881973	1.874475	1.854814	1.857414	1.865623	1.861713
2.072297	2.017226	1.937405	1.888862	1.873127	1.865665	1.846096	1.848684	1.856854	1.852963
2.061728	2.006939	1.927525	1.879228	1.863574	1.85615	1.836681	1.839256	1.847384	1.843513
2.051419	1.996904	1.917887	1.869832	1.854256	1.846869	1.827498	1.83006	1.838147	1.834295
2.044855	1.990514	1.91175	1.863849	1.848323	1.840959	1.82165	1.824203	1.832265	1.828426
2.042605	1.988324	1.909647	1.861799	1.84629	1.838934	1.819646	1.822197	1.83025	1.826414
2.035865	1.981763	1.903345	1.855655	1.840197	1.832865	1.813641	1.816184	1.82421	1.820387
2.022835	1.969079	1.891164	1.843778	1.82842	1.821135	1.802034	1.80456	1.812535	1.808737
2.000584	1.94742	1.870361	1.823497	1.808307	1.801103	1.782211	1.78471	1.792597	1.788841
1.976377	1.923856	1.847729	1.801433	1.786427	1.779309	1.760646	1.763115	1.770907	1.767196
1.949103	1.897307	1.822231	1.776573	1.761774	1.754755	1.73635	1.738784	1.746468	1.742808
1.92357	1.872452	1.798359	1.7533	1.738695	1.731768	1.713603	1.716006	1.72359	1.719978
1.90318	1.852604	1.779297	1.734715	1.720264	1.713411	1.695439	1.697816	1.70532	1.701746
1.889858	1.839636	1.766842	1.722572	1.708223	1.701417	1.683571	1.685931	1.693382	1.689834
1.886645	1.836508	1.763838	1.719643	1.705319	1.698525	1.680709	1.683065	1.690504	1.686961
1.884758	1.834672	1.762074	1.717924	1.703613	1.696826	1.679028	1.681382	1.688813	1.685274
1.888528	1.838341	1.765598	1.72136	1.707021	1.70022	1.682386	1.684745	1.692191	1.688645
1.891361	1.841099	1.768247	1.723942	1.709581	1.70277	1.68491	1.687272	1.694729	1.691177
1.894198	1.84386	1.770899	1.726527	1.712145	1.705324	1.687437	1.689803	1.697271	1.693714
1.89003	1.839804	1.767003	1.722729	1.708379	1.701572	1.683725	1.686085	1.693537	1.689988
1.877556	1.827661	1.755341	1.711359	1.697103	1.690342	1.672612	1.674957	1.68236	1.678834
1.862911	1.813405	1.741649	1.698011	1.683866	1.677157	1.659566	1.661893	1.669237	1.665739
1.851361	1.802162	1.730851	1.687483	1.673426	1.666759	1.649277	1.651589	1.658888	1.655412
1.851361	1.802162	1.730851	1.687483	1.673426	1.666759	1.649277	1.651589	1.658888	1.655412
1.851361	1.802162	1.730851	1.687483	1.673426	1.666759	1.649277	1.651589		



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1.758556	1.747026	1.717992	1.681668	1.624172	1.585951	1.552875	1.544534	1.512618	1.468561
1.779835	1.768165	1.73878	1.702016	1.643825	1.605141	1.571664	1.563223	1.53092	1.486331
1.8076	1.795748	1.765905	1.728568	1.669468	1.630181	1.596182	1.587609	1.554803	1.509517
1.829653	1.817656	1.787449	1.749656	1.689836	1.650069	1.615656	1.606978	1.573771	1.527933
1.837155	1.825109	1.794777	1.75683	1.696764	1.656834	1.62228	1.613567	1.580224	1.534198
1.843952	1.831862	1.801418	1.76333	1.703042	1.662965	1.628282	1.619537	1.586071	1.539875
1.849668	1.837541	1.807002	1.768796	1.708322	1.66812	1.63333	1.624557	1.590988	1.544648
1.861321	1.849117	1.818386	1.77994	1.719084	1.678629	1.64362	1.634792	1.601011	1.554379
1.869511	1.857253	1.826387	1.787771	1.726648	1.686015	1.650852	1.641985	1.608055	1.561219
1.886897	1.874526	1.843373	1.804398	1.742706	1.701695	1.666205	1.657256	1.62301	1.575738
1.907842	1.895333	1.863834	1.824426	1.76205	1.720584	1.6847	1.675651	1.641026	1.593229
1.93894	1.926227	1.894215	1.854165	1.790771	1.748629	1.71216	1.702964	1.667774	1.619198
1.971902	1.958973	1.926416	1.885685	1.821214	1.778356	1.741267	1.731915	1.696126	1.646725
2.007002	1.993842	1.960706	1.919251	1.853632	1.810011	1.772262	1.762743	1.726317	1.676036
2.0353	2.021956	1.988352	1.946312	1.879768	1.835532	1.79725	1.787597	1.750659	1.699669
2.046902	2.033481	1.999686	1.957406	1.890483	1.845994	1.807495	1.797787	1.760637	1.709357
2.0512	2.037751	2.003885	1.961517	1.894453	1.849871	1.811291	1.801562	1.764335	1.712946
2.052021	2.038566	2.004687	1.962301	1.895211	1.850611	1.812015	1.802283	1.76504	1.713631
2.050584	2.037139	2.003284	1.960928	1.893884	1.849316	1.810747	1.801021	1.763805	1.712432
2.043407	2.030009	1.996272	1.954064	1.887255	1.842843	1.804409	1.794718	1.757632	1.706438
2.044633	2.031227	1.99747	1.955237	1.888388	1.843949	1.805492	1.795794	1.758686	1.707462
2.050563	2.037118	2.003263	1.960907	1.893864	1.849296	1.810728	1.801002	1.763786	1.712414
2.066967	2.053415	2.019289	1.976594	1.909015	1.86409	1.825213	1.81541	1.777897	1.726113
2.085777	2.072101	2.037664	1.994581	1.926387	1.881054	1.841823	1.83193	1.794075	1.741821
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2.140148	2.126116	2.090781	2.046575	1.976604	1.930088	1.889835	1.879685	1.840843	1.787226
2.161549	2.147377	2.111689	2.067041	1.99637	1.949389	1.908733	1.898482	1.859251	1.805098
2.179274	2.164985	2.129005	2.083991	2.01274	1.965374	1.924385	1.914049	1.874497	1.8199
2.188645	2.174295	2.13816	2.092952	2.021395	1.973825	1.93266	1.922279	1.882558	1.827726
2.196305	2.181905	2.145643	2.100277	2.02847	1.980734	1.939424	1.929007	1.889146	1.834123
2.194548	2.180159	2.143927	2.098597	2.026847	1.979149	1.937873	1.927464	1.887635	1.832655
2.183575	2.169258	2.133207	2.088104	2.016713	1.969253	1.928183	1.917827	1.878197	1.823492
2.160211	2.146047	2.110382	2.065761	1.995134	1.948182	1.907552	1.897306	1.8581	1.803981
2.140553	2.126518	2.091177	2.046963	1.976978	1.930454	1.890193	1.880041	1.841192	1.787565
2.131135	2.117162	2.081976	2.037956	1.968279	1.92196	1.881876	1.871769	1.83309	1.779699
2.133479	2.11949	2.084266	2.040198	1.970444	1.924074	1.883946	1.873827	1.835107	1.781657
2.14372	2.129664	2.094271	2.049991	1.979902	1.93331	1.892989	1.882822	1.843915	1.790209
2.15058	2.136479	2.100973	2.056551	1.986238	1.939496	1.899047	1.888847	1.849816	1.795938
2.142192	2.128147	2.092779	2.04853	1.978492	1.931932	1.89164	1.88148	1.842601	1.788933
2.120985	2.107078	2.07206	2.02825	1.958905	1.912806	1.872913	1.862854	1.82436	1.771223
2.086413	2.072733	2.038286	1.99519	1.926975	1.881627	1.842385	1.832489	1.794623	1.742352
2.055325	2.041849	2.007915	1.965461	1.898263	1.853591	1.814933	1.805185	1.767883	1.716391
2.024906	2.01163	1.978198	1.936372	1.870168	1.826158	1.788072	1.778468	1.741718	1.690988
2.001822	1.988697	1.955647	1.914298	1.848849	1.80534	1.767688	1.758194	1.721863	1.671711
1.981804	1.96881	1.93609	1.895155	1.83036	1.787286	1.750011	1.740612	1.704644	1.654994
1.96377	1.950894	1.918472	1.877909	1.813704	1.771022	1.734086	1.724772	1.689132	1.639934
1.954736	1.94192	1.909647	1.86927	1.805361	1.762875	1.726109	1.716838	1.681362	1.63239
1.950631	1.937842	1.905636	1.865345	1.801569	1.759173	1.722484	1.713233	1.677831	1.628962
1.949071	1.936291	1.904112	1.863853	1.800128	1.757766	1.721106	1.711862	1.676489	1.627659
1.942054	1.929321	1.897257	1.857143	1.793648	1.751438	1.71491	1.7057	1.670453	1.621799

1.928848	1.916201	1.884356	1.844514	1.781451	1.739528	1.703249	1.694101	1.659094	1.610771
1.90821	1.895698	1.864193	1.824778	1.762389	1.720915	1.685024	1.675974	1.641342	1.593536
1.884357	1.872002	1.840891	1.801968	1.74036	1.699404	1.663962	1.655024	1.620825	1.573616
1.862875	1.850661	1.819905	1.781426	1.720519	1.680031	1.644992	1.636157	1.602348	1.555677
1.855983	1.843814	1.813171	1.774835	1.714154	1.673815	1.638906	1.630103	1.596419	1.549921
1.853941	1.841785	1.811176	1.772882	1.712268	1.671973	1.637103	1.62831	1.594663	1.548216
1.851346	1.839207	1.808641	1.7704	1.709871	1.669633	1.634811	1.626031	1.59243	1.546049
1.842644	1.830563	1.80014	1.762079	1.701834	1.661785	1.627128	1.618388	1.584946	1.538782
1.833247	1.821227	1.79096	1.753093	1.693155	1.65331	1.618829	1.610134	1.576863	1.530935
1.824081	1.812121	1.782005	1.744327	1.684689	1.645044	1.610735	1.602084	1.568978	1.52328
1.818244	1.806322	1.776302	1.738745	1.679298	1.63978	1.605581	1.596957	1.563958	1.518405
1.816243	1.804335	1.774348	1.736833	1.677451	1.637976	1.603815	1.5952	1.562237	1.516735
1.81025	1.798381	1.768493	1.731101	1.671915	1.63257	1.598522	1.589936	1.557082	1.51173
1.798664	1.786871	1.757175	1.720022	1.661215	1.622122	1.588291	1.579761	1.547117	1.502055
1.778879	1.767215	1.737846	1.701102	1.642942	1.604279	1.57082	1.562383	1.530098	1.485532
1.757355	1.745832	1.716818	1.680519	1.623062	1.584867	1.551813	1.543479	1.511584	1.467557
1.733103	1.72174	1.693126	1.657327	1.600664	1.562996	1.530398	1.522179	1.490724	1.447305
1.710399	1.699185	1.670946	1.635616	1.579695	1.542521	1.51035	1.502238	1.471196	1.428345
1.692269	1.681173	1.653234	1.618279	1.56295	1.52617	1.49434	1.486314	1.455601	1.413205
1.680423	1.669405	1.641661	1.606951	1.55201	1.515487	1.48388	1.47591	1.445412	1.403312
1.677567	1.666567	1.63887	1.604219	1.549371	1.51291	1.481357	1.473401	1.442955	1.400927
1.675889	1.664901	1.637231	1.602615	1.547822	1.511397	1.479876	1.471928	1.441512	1.399526
1.679241	1.66823	1.640506	1.60582	1.550918	1.51442	1.482836	1.474871	1.444395	1.402325
1.68176	1.670733	1.642967	1.608229	1.553244	1.516692	1.48506	1.477084	1.446561	1.404428
1.684282	1.673239	1.645431	1.610641	1.555574	1.518967	1.487288	1.479299	1.448731	1.406535
1.680577	1.669558	1.641811	1.607098	1.552152	1.515625	1.484016	1.476045	1.445544	1.403441
1.669485	1.658539	1.630975	1.596491	1.541907	1.505622	1.474221	1.466303	1.436003	1.394178
1.656463	1.645602	1.618254	1.584038	1.529881	1.493878	1.462722	1.454866	1.424803	1.383303
1.646193	1.635399	1.60822	1.574217	1.520395	1.484616	1.453653	1.445846	1.415969	1.374727
1.646193	1.635399	1.60822	1.574217	1.520395	1.484616	1.453653	1.445846	1.415969	1.374727
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1.453056	1.438526	1.444304	1.439984	1.423049	1.377056	1.337077	1.29074	1.262214	1.229748
1.475723	1.460968	1.466835	1.462447	1.445249	1.398538	1.357936	1.310875	1.281904	1.248932
1.493727	1.478791	1.48473	1.480289	1.462881	1.4156	1.374502	1.326868	1.297543	1.264169
1.499851	1.484854	1.490818	1.486359	1.468879	1.421404	1.380138	1.332308	1.302863	1.269352
1.505401	1.490348	1.496334	1.491858	1.474314	1.426663	1.385244	1.337238	1.307684	1.274049
1.510068	1.494968	1.500972	1.496483	1.478884	1.431086	1.389539	1.341383	1.311738	1.277999
1.519581	1.504387	1.510428	1.505911	1.488201	1.440102	1.398293	1.349834	1.320002	1.28605
1.526267	1.511006	1.517074	1.512537	1.494749	1.446438	1.404445	1.355773	1.32581	1.291709
1.540461	1.525058	1.531183	1.526603	1.50865	1.45989	1.417507	1.368382	1.33814	1.303721
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1.661617	1.645003	1.651609	1.646669	1.627304	1.574709	1.528992	1.476004	1.443383	1.406258
1.671089	1.654379	1.661024	1.656055	1.63658	1.583685	1.537708	1.484417	1.451611	1.414274
1.674598	1.657854	1.664512	1.659533	1.640017	1.587011	1.540937	1.487534	1.454659	1.417244
1.675268	1.658517	1.665178	1.660197	1.640673	1.587646	1.541553	1.488129	1.455241	1.417811
1.674095	1.657356	1.664012	1.659035	1.639524	1.586534	1.540474	1.487088	1.454222	1.416818
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1.68747	1.670597	1.677306	1.672289	1.652623	1.59921	1.552781	1.498969	1.465841	1.428138
1.702826	1.6858	1.69257	1.687507	1.667662	1.613762	1.566912	1.512609	1.47918	1.441134
1.724793	1.707546	1.714404	1.709276	1.689175	1.63458	1.587125	1.532122	1.498261	1.459724
1.747215	1.729744	1.736691	1.731497	1.711134	1.65583	1.607758	1.552039	1.517738	1.478701
1.764687	1.747042	1.754058	1.748812	1.728246	1.672388	1.623835	1.56756	1.532916	1.493488
1.779157	1.761368	1.768441	1.763152	1.742417	1.686101	1.637151	1.580414	1.545486	1.505734
1.786808	1.768942	1.776046	1.770734	1.74991	1.693352	1.64419	1.58721	1.552131	1.512209
1.793062	1.775133	1.782262	1.776931	1.756034	1.699278	1.649945	1.592765	1.557564	1.517502
1.791627	1.773713	1.780836	1.77551	1.754629	1.697919	1.648625	1.591491	1.556318	1.516288
1.782669	1.764844	1.771932	1.766632	1.745856	1.689429	1.640382	1.583533	1.548536	1.508706
1.763595	1.74596	1.752972	1.747729	1.727176	1.671352	1.62283	1.566589	1.531967	1.492563
1.747546	1.730072	1.73702	1.731825	1.711458	1.656143	1.608062	1.552333	1.518026	1.478981
1.739857	1.72246	1.729377	1.724205	1.703928	1.648856	1.600987	1.545503	1.511347	1.472473
1.74177	1.724354	1.73128	1.726101	1.705802	1.65067	1.602748	1.547203	1.513009	1.474093
1.750131	1.732631	1.73959	1.734387	1.71399	1.658593	1.610441	1.55463	1.520272	1.481169
1.755731	1.738176	1.745156	1.739937	1.719475	1.663901	1.615594	1.559605	1.525136	1.485908
1.748884	1.731397	1.73835	1.733151	1.712769	1.657411	1.609293	1.553522	1.519188	1.480113
1.73157	1.714256	1.721141	1.715993	1.695812	1.641003	1.593361	1.538142	1.504148	1.46546
1.703345	1.686314	1.693086	1.688022	1.668171	1.614255	1.56739	1.51307	1.479631	1.441573
1.677966	1.661188	1.667859	1.66287	1.643315	1.590202	1.544036	1.490526	1.457584	1.420094
1.653132	1.636602	1.643175	1.63826	1.618994	1.566667	1.521184	1.468466	1.436012	1.399076
1.634286	1.617945	1.624443	1.619584	1.600537	1.548807	1.503842	1.451725	1.419642	1.383127
1.617943	1.601765	1.608198	1.603388	1.584532	1.533319	1.488804	1.437208	1.405445	1.369296
1.60322	1.587189	1.593564	1.588797	1.570113	1.519366	1.475256	1.42413	1.392656	1.356835
1.595845	1.579888	1.586233	1.581489	1.56289	1.512377	1.46847	1.417579	1.386249	1.350594
1.592494	1.57657	1.582902	1.578168	1.559608	1.509201	1.465386	1.414602	1.383338	1.347757
1.59122	1.575309	1.581636	1.576905	1.558361	1.507994	1.464214	1.41347	1.382232	1.346679
1.585491	1.569638	1.575942	1.571228	1.55275	1.502565	1.458942	1.408381	1.377256	1.341831

1.57471	1.558965	1.565225	1.560544	1.542192	1.492347	1.449022	1.398804	1.36789	1.332707
1.557861	1.542284	1.548478	1.543846	1.52569	1.476379	1.433517	1.383837	1.353254	1.318447
1.538387	1.523005	1.529122	1.524548	1.506619	1.457924	1.415598	1.366539	1.336338	1.301966
1.52085	1.505643	1.51169	1.507168	1.489444	1.441304	1.39946	1.350961	1.321104	1.287124
1.515223	1.500072	1.506096	1.501592	1.483933	1.435971	1.394282	1.345962	1.316216	1.282361
1.513556	1.498422	1.50444	1.49994	1.4823	1.434392	1.392749	1.344482	1.314768	1.280951
1.511437	1.496324	1.502333	1.49784	1.480225	1.432384	1.390799	1.342599	1.312927	1.279157
1.504333	1.489291	1.495272	1.4908	1.473268	1.425651	1.384262	1.336289	1.306756	1.273145
1.496661	1.481696	1.487647	1.483197	1.465754	1.418381	1.377202	1.329474	1.300092	1.266652
1.489178	1.474287	1.480208	1.475781	1.458426	1.411289	1.370316	1.322827	1.293592	1.260319
1.484412	1.46957	1.475472	1.471058	1.453759	1.406773	1.365931	1.318594	1.289452	1.256286
1.48278	1.467953	1.473849	1.46944	1.45216	1.405225	1.364429	1.317143	1.288034	1.254904
1.477886	1.463109	1.468985	1.464591	1.447367	1.400588	1.359926	1.312797	1.283783	1.250763
1.468428	1.453745	1.459583	1.455218	1.438104	1.391624	1.351223	1.304395	1.275567	1.242758
1.452275	1.437754	1.443528	1.43921	1.422285	1.376316	1.336359	1.290046	1.261536	1.229088
1.434703	1.420357	1.426061	1.421796	1.405076	1.359663	1.320189	1.274437	1.246271	1.214216
1.414904	1.400756	1.406382	1.402175	1.385685	1.340899	1.301971	1.25685	1.229073	1.19746
1.396369	1.382406	1.387958	1.383807	1.367533	1.323334	1.284915	1.240385	1.212972	1.181773
1.381567	1.367753	1.373246	1.369138	1.353037	1.309306	1.271295	1.227237	1.200114	1.169246
1.371896	1.358178	1.363633	1.359554	1.343566	1.300141	1.262396	1.218646	1.191713	1.161061
1.369564	1.35587	1.361315	1.357243	1.341282	1.297931	1.260249	1.216574	1.189688	1.159088
1.368194	1.354514	1.359953	1.355886	1.339941	1.296633	1.258989	1.215358	1.188498	1.157929
1.370931	1.357223	1.362673	1.358598	1.34262	1.299226	1.261507	1.217789	1.190875	1.160244
1.372987	1.359259	1.364717	1.360636	1.344634	1.301175	1.263399	1.219615	1.192661	1.161985
1.375047	1.361297	1.366764	1.362676	1.346651	1.303127	1.265295	1.221445	1.19445	1.163728
1.372021	1.358303	1.363758	1.359679	1.343689	1.30026	1.262511	1.218758	1.191822	1.161168
1.362966	1.349338	1.354757	1.350705	1.33482	1.291678	1.254178	1.210714	1.183956	1.153504
1.352335	1.338813	1.34419	1.340169	1.324409	1.281603	1.244396	1.20127	1.174721	1.144506
1.34395	1.330512	1.335856	1.33186	1.316197	1.273657	1.236681	1.193822	1.167438	1.137411
1.34395	1.330512	1.335856	1.33186	1.316197	1.273657	1.236681	1.193822	1.167438	1.137411
1.34395	1.330512	1.335856	1.33186	1.316197	1.273657	1.236681	1.193822		



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1.201945	1.192169	1.165708	1.131645	1.105662	1.098522	1.093818	1.083739	1.065205	1.050187
1.216489	1.206594	1.179813	1.145338	1.119041	1.111814	1.107053	1.096853	1.078094	1.062895
1.235466	1.225417	1.198218	1.163205	1.136498	1.129158	1.124323	1.113964	1.094912	1.079476
1.250538	1.240367	1.212836	1.177396	1.150363	1.142934	1.13804	1.127554	1.10827	1.092645
1.255666	1.245453	1.217809	1.182224	1.155079	1.14762	1.142706	1.132177	1.112814	1.097125
1.260312	1.250061	1.222315	1.186598	1.159353	1.151866	1.146934	1.136366	1.116931	1.101184
1.264219	1.253936	1.226104	1.190276	1.162947	1.155437	1.15049	1.139889	1.120394	1.104598
1.272183	1.261836	1.233828	1.197775	1.170274	1.162716	1.157738	1.14707	1.127452	1.111557
1.277781	1.267388	1.239257	1.203045	1.175423	1.167832	1.162832	1.152117	1.132413	1.116448
1.289664	1.279175	1.250782	1.214234	1.186354	1.178693	1.173646	1.162832	1.142945	1.126831
1.303979	1.293374	1.264666	1.227712	1.199523	1.191776	1.186674	1.175739	1.155631	1.139339
1.325234	1.314456	1.28528	1.247723	1.219075	1.211202	1.206016	1.194904	1.174468	1.15791
1.347763	1.336801	1.30713	1.268935	1.239799	1.231793	1.226519	1.215217	1.194434	1.177594
1.371753	1.360597	1.330397	1.291522	1.261868	1.253719	1.248351	1.236848	1.215695	1.198556
1.391095	1.379781	1.349155	1.309732	1.27966	1.271396	1.265952	1.254288	1.232836	1.215455
1.399024	1.387646	1.356845	1.317198	1.286954	1.278643	1.273168	1.261437	1.239863	1.222383
1.401962	1.39056	1.359695	1.319964	1.289657	1.281328	1.275842	1.264086	1.242467	1.22495
1.402523	1.391116	1.360239	1.320492	1.290173	1.281841	1.276352	1.264592	1.242964	1.22544
1.401541	1.390142	1.359286	1.319567	1.28927	1.280943	1.275459	1.263706	1.242094	1.224583
1.396636	1.385277	1.354529	1.314949	1.284757	1.27646	1.270995	1.259284	1.237747	1.220296
1.397474	1.386108	1.355342	1.315738	1.285528	1.277226	1.271757	1.260039	1.238489	1.221029
1.401527	1.390128	1.359272	1.319554	1.289256	1.28093	1.275446	1.263693	1.242081	1.22457
1.412739	1.401249	1.370146	1.33011	1.29957	1.291177	1.285649	1.273803	1.252018	1.234366
1.425595	1.414	1.382615	1.342214	1.311396	1.302927	1.297349	1.285394	1.263411	1.245599
1.443985	1.432241	1.40045	1.359529	1.328313	1.319735	1.314084	1.301976	1.279709	1.261667
1.462757	1.45086	1.418656	1.377202	1.345581	1.336891	1.331167	1.318902	1.296345	1.278069
1.477384	1.465368	1.432843	1.390974	1.359037	1.35026	1.344479	1.332091	1.309309	1.29085
1.489499	1.477384	1.444592	1.40238	1.370181	1.361332	1.355504	1.343014	1.320045	1.301434
1.495904	1.483737	1.450804	1.408411	1.376073	1.367186	1.361332	1.348789	1.325721	1.307031
1.501139	1.48893	1.455882	1.41334	1.380889	1.371971	1.366097	1.35351	1.330361	1.311605
1.499938	1.487739	1.454717	1.412209	1.379784	1.370874	1.365004	1.352427	1.329297	1.310556
1.492439	1.4803	1.447443	1.405148	1.372886	1.364019	1.358179	1.345665	1.32265	1.304003
1.47647	1.464461	1.431956	1.390113	1.358196	1.349424	1.343647	1.331266	1.308498	1.29005
1.463034	1.451134	1.418925	1.377463	1.345836	1.337145	1.33142	1.319151	1.296591	1.278311
1.456596	1.444749	1.412682	1.371402	1.339914	1.331261	1.325561	1.313347	1.290886	1.272686
1.458199	1.446339	1.414236	1.372911	1.341388	1.332726	1.327019	1.314792	1.292306	1.274086
1.465198	1.453281	1.421024	1.379501	1.347827	1.339123	1.333389	1.321103	1.298509	1.280202
1.469887	1.457932	1.425571	1.383915	1.35214	1.343408	1.337656	1.32533	1.302664	1.284299
1.464154	1.452246	1.420011	1.378518	1.346867	1.338169	1.332439	1.320162	1.297584	1.27929
1.449659	1.437868	1.405953	1.364871	1.333533	1.324921	1.319248	1.307092	1.284738	1.266625
1.42603	1.414431	1.383036	1.342623	1.311796	1.303325	1.297744	1.285786	1.263796	1.245979
1.404782	1.393356	1.362429	1.322618	1.29225	1.283905	1.278408	1.266628	1.244966	1.227414
1.383991	1.372735	1.342265	1.303043	1.273125	1.264903	1.259487	1.247882	1.22654	1.209248
1.368213	1.357085	1.326963	1.288189	1.258611	1.250483	1.245129	1.233656	1.212558	1.195463
1.354531	1.343514	1.313694	1.275307	1.246025	1.237978	1.232678	1.22132	1.200432	1.183508
1.342205	1.331289	1.301739	1.263702	1.234686	1.226713	1.221461	1.210206	1.189508	1.172738
1.336031	1.325165	1.295751	1.257889	1.229007	1.22107	1.215842	1.204639	1.184036	1.167343
1.333225	1.322382	1.29303	1.255247	1.226426	1.218506	1.213289	1.202109	1.18155	1.164892
1.332159	1.321324	1.291996	1.254243	1.225445	1.217531	1.212318	1.201147	1.180605	1.16396
1.327363	1.316567	1.287344	1.249728	1.221033	1.213148	1.207954	1.196823	1.176355	1.15977

1.318337	1.307614	1.27859	1.241229	1.21273	1.204898	1.19974	1.188685	1.168355	1.151883
1.304231	1.293623	1.264909	1.227948	1.199754	1.192006	1.186902	1.175966	1.155854	1.139558
1.287928	1.277453	1.249098	1.212599	1.184757	1.177106	1.172066	1.161266	1.141406	1.125314
1.273245	1.26289	1.234858	1.198775	1.171251	1.163687	1.158704	1.148028	1.128394	1.112485
1.268534	1.258217	1.230289	1.19434	1.166917	1.159381	1.154417	1.14378	1.124219	1.108369
1.267139	1.256833	1.228936	1.193026	1.165634	1.158106	1.153147	1.142522	1.122982	1.10715
1.265365	1.255073	1.227216	1.191356	1.164002	1.156485	1.151533	1.140922	1.12141	1.1056
1.259418	1.249175	1.221448	1.185756	1.158531	1.151049	1.146121	1.13556	1.116139	1.100403
1.252995	1.242804	1.215218	1.179709	1.152622	1.145179	1.140276	1.129769	1.110447	1.094791
1.24673	1.23659	1.209142	1.173811	1.146859	1.139453	1.134574	1.12412	1.104895	1.089317
1.24274	1.232633	1.205273	1.170054	1.143189	1.135807	1.130944	1.120523	1.101359	1.085832
1.241373	1.231277	1.203947	1.168767	1.141932	1.134557	1.1297	1.11929	1.100148	1.084637
1.237277	1.227214	1.199974	1.16491	1.138163	1.130813	1.125972	1.115596	1.096517	1.081058
1.229358	1.219359	1.192294	1.157455	1.130879	1.123576	1.118765	1.108457	1.089499	1.074139
1.215835	1.205946	1.179179	1.144723	1.11844	1.111217	1.106459	1.096264	1.077515	1.062324
1.201124	1.191354	1.164911	1.130872	1.104906	1.097771	1.093071	1.082999	1.064477	1.04947
1.184548	1.174914	1.148835	1.115266	1.089659	1.082622	1.077986	1.068053	1.049787	1.034987
1.16903	1.159522	1.133785	1.100656	1.075384	1.068439	1.063865	1.054062	1.036035	1.021429
1.156639	1.147231	1.121767	1.088989	1.063985	1.057114	1.052588	1.042889	1.025053	1.010601
1.148542	1.139201	1.113915	1.081366	1.056537	1.049714	1.04522	1.035589	1.017878	1.003527
1.14659	1.137264	1.112021	1.079528	1.054741	1.04793	1.043443	1.033828	1.016147	1.001821
1.145443	1.136127	1.110909	1.078448	1.053686	1.046882	1.042399	1.032794	1.015131	1.000819
1.147734	1.138399	1.113131	1.080605	1.055794	1.048975	1.044484	1.03486	1.017161	1.002821
1.149456	1.140107	1.114801	1.082226	1.057377	1.050549	1.046051	1.036412	1.018687	1.004325
1.15118	1.141817	1.116473	1.083849	1.058964	1.052125	1.04762	1.037967	1.020215	1.005832
1.148647	1.139305	1.114017	1.081465	1.056634	1.04981	1.045315	1.035683	1.017971	1.003619
1.141066	1.131786	1.106664	1.074327	1.04966	1.042881	1.038416	1.028848	1.011252	0.996995
1.132166	1.122958	1.098032	1.065947	1.041473	1.034747	1.030316	1.020823	1.003364	0.989218
1.125146	1.115995	1.091224	1.059338	1.035016	1.028331	1.023928	1.014494	0.997143	0.983085
1.125146	1.115995	1.091224	1.059338	1.035016	1.028331	1.023928	1.014494	0.997143	0.983085
1.125146	1.115995	1.091224	1.059338	1.035016	1.028331	1.023928	1.014494</		

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1.039201	1.025966	1.0121	0	0	0	0	0	0	0
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1.072668	1.059007	1.044695	1.032205	1.01635	1.0041	0	0	0	0
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1.079975	1.06622	1.051811	1.039236	1.023273	1.010939	1.006811	1.0031	0	0
1.086779	1.072938	1.058437	1.045783	1.029719	1.017308	1.013154	1.00942	1.0063	0
1.09156	1.077659	1.063094	1.050385	1.03425	1.021784	1.017612	1.013861	1.010728	1.0044
1.101712	1.087681	1.072981	1.060153	1.043869	1.031287	1.027076	1.02329	1.020127	1.013741
1.113941	1.099754	1.084891	1.071921	1.055456	1.042734	1.038477	1.034648	1.031451	1.024993
1.132098	1.11768	1.102575	1.089393	1.07266	1.059731	1.055404	1.051513	1.048264	1.041701
1.151344	1.136681	1.121319	1.107913	1.090895	1.077746	1.073346	1.069389	1.066084	1.05941
1.171838	1.156914	1.141278	1.127634	1.110313	1.09693	1.092451	1.088424	1.08506	1.078267
1.188361	1.173226	1.15737	1.143533	1.125968	1.112397	1.107855	1.103771	1.10036	1.093471
1.195134	1.179913	1.163967	1.150051	1.132386	1.118738	1.11417	1.110062	1.106632	1.099704
1.197644	1.182391	1.166411	1.152467	1.134764	1.121087	1.116509	1.112393	1.108956	1.102013
1.198123	1.182864	1.166878	1.152928	1.135218	1.121535	1.116956	1.112838	1.109399	1.102454
1.197284	1.182036	1.166061	1.15212	1.134423	1.12075	1.116174	1.112059	1.108623	1.101682
1.193094	1.177899	1.16198	1.148088	1.130453	1.116828	1.112267	1.108167	1.104742	1.097826
1.19381	1.178606	1.162677	1.148777	1.131131	1.117498	1.112935	1.108832	1.105405	1.098485
1.197272	1.182024	1.166049	1.152108	1.134412	1.120739	1.116162	1.112048	1.108611	1.10167
1.20685	1.19148	1.175377	1.161325	1.143487	1.129704	1.125092	1.120944	1.11748	1.110484
1.217832	1.202322	1.186073	1.171893	1.153893	1.139985	1.13533	1.131145	1.127649	1.120589
1.233542	1.217832	1.201374	1.187011	1.168778	1.154691	1.149976	1.145736	1.142196	1.135045
1.249578	1.233664	1.216991	1.202442	1.183972	1.169702	1.164925	1.160631	1.157044	1.1498
1.262074	1.246001	1.229161	1.214466	1.195812	1.181399	1.176575	1.172237	1.168615	1.161298
1.272423	1.256218	1.23924	1.224425	1.205617	1.191086	1.186223	1.18185	1.178197	1.170821
1.277895	1.26162	1.244569	1.22969	1.210801	1.196208	1.191323	1.186932	1.183264	1.175856
1.282367	1.266035	1.248925	1.233994	1.215039	1.200394	1.195493	1.191086	1.187405	1.179971
1.281341	1.265023	1.247926	1.233007	1.214067	1.199434	1.194537	1.190133	1.186455	1.179027
1.274935	1.258697	1.241686	1.226842	1.207997	1.193437	1.188564	1.184182	1.180523	1.173132
1.261293	1.245229	1.2284	1.213714	1.195071	1.180667	1.175846	1.171512	1.167891	1.160579
1.249815	1.233898	1.217222	1.20267	1.184196	1.169923	1.165146	1.160851	1.157263	1.150018
1.244316	1.228469	1.211866	1.197378	1.178986	1.164775	1.160019	1.155743	1.152171	1.144958
1.245685	1.22982	1.213199	1.198695	1.180283	1.166057	1.161295	1.157014	1.153439	1.146218
1.251664	1.235723	1.219023	1.204449	1.185948	1.171654	1.16687	1.162568	1.158975	1.151719
1.255669	1.239677	1.222923	1.208303	1.189743	1.175403	1.170604	1.166288	1.162684	1.155405
1.250772	1.234843	1.218154	1.203591	1.185103	1.170819	1.166038	1.16174	1.15815	1.150899
1.23839	1.222618	1.206094	1.191675	1.17337	1.159228	1.154494	1.150239	1.146684	1.139505
1.218204	1.202689	1.186435	1.172251	1.154245	1.140332	1.135676	1.13149	1.127993	1.120931
1.200053	1.184769	1.168757	1.154784	1.137046	1.123341	1.118755	1.11463	1.111186	1.104229
1.182292	1.167234	1.151459	1.137693	1.120218	1.106716	1.102197	1.098134	1.09474	1.087887
1.168814	1.153928	1.138333	1.124724	1.107447	1.094099	1.089632	1.085615	1.08226	1.075485
1.157126	1.142389	1.126949	1.113476	1.096373	1.083158	1.078736	1.074759	1.071438	1.06473
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1.133917	1.119475	1.104346	1.091143	1.074383	1.061433	1.057099	1.053202	1.049947	1.043374

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1.007989	1.01153	1.010923	1.008	0	0	0	0	0	0
1.017162	1.020735	1.020123	1.017173	1.0091	0	0	0	0	0
1.030283	1.033902	1.033282	1.030294	1.022117	1.0129	0	0	0	0
1.043677	1.047343	1.046715	1.043688	1.035405	1.026068	1.013	0	0	0
1.054114	1.057816	1.057182	1.054125	1.045759	1.036328	1.02313	1.01	0	0
1.062758	1.06649	1.065851	1.062769	1.054334	1.044826	1.03152	1.018282	1.0082	0
1.067328	1.071076	1.070434	1.067339	1.058868	1.049319	1.035955	1.022661	1.012535	1.0043
1.071063	1.074825	1.074181	1.071074	1.062574	1.052992	1.039581	1.02624	1.016079	1.007815
1.070206	1.073965	1.073321	1.070218	1.061724	1.052149	1.038749	1.025419	1.015266	1.007009
1.064855	1.068595	1.067955	1.064867	1.056415	1.046888	1.033556	1.020292	1.01019	1.001974
1.053461	1.057161	1.056528	1.053472	1.045112	1.035687	1.022497	1.009375	0.999381	0.991253
1.043875	1.047541	1.046913	1.043886	1.035601	1.026262	1.013192	1.000189	0.990287	0.982232
1.039282	1.042932	1.042307	1.039293	1.031044	1.021746	1.008734	0.995789	0.985929	0.97791
1.040425	1.044079	1.043453	1.040436	1.032179	1.02287	1.009843	0.996884	0.987014	0.978986
1.045419	1.049091	1.048462	1.04543	1.037133	1.02778	1.014691	1.001669	0.991751	0.983685
1.048764	1.052448	1.051817	1.048775	1.040452	1.031069	1.017938	1.004874	0.994925	0.986833
1.044674	1.048343	1.047715	1.044685	1.036394	1.027048	1.013968	1.000955	0.991045	0.982984
1.034332	1.037965	1.037342	1.034343	1.026134	1.01688	1.003929	0.991046	0.981234	0.973253
1.017472	1.021046	1.020434	1.017483	1.009408	1.000305	0.987565	0.974892	0.965239	0.957389
1.002312	1.005832	1.005229	1.002323	0.994368	0.9854	0.972851	0.960366	0.950857	0.943124
0.987478	0.990946	0.990352	0.987488	0.979651	0.970817	0.958452	0.946153	0.936785	0.929166
0.976221	0.979649	0.979062	0.976231	0.968483	0.959749	0.947526	0.935366	0.926105	0.918573
0.966458	0.969853	0.969271	0.966468	0.958798	0.950152	0.938051	0.926013	0.916844	0.909387
0.957664	0.961027	0.960451	0.957674	0.950073	0.941505	0.929515	0.917586	0.908501	0.901112
0.953258	0.956606	0.956033	0.953268	0.945703	0.937174	0.925239	0.913365	0.904322	0.896967
0.951256	0.954598	0.954025	0.951266	0.943717	0.935206	0.923296	0.911447	0.902423	0.895083
0.950495	0.953834	0.953262	0.950505	0.942962	0.934458	0.922557	0.910718	0.901701	0.894367
0.947074	0.9504	0.94983	0.947084	0.939567	0.931094	0.919236	0.907439	0.898455	0.891147

0.940634	0.943937	0.943371	0.940643	0.933178	0.924763	0.912985	0.901269	0.892345	0.885088
0.930569	0.933837	0.933277	0.930579	0.923193	0.914868	0.903216	0.891625	0.882797	0.875617
0.918937	0.922164	0.921611	0.918946	0.911653	0.903432	0.891926	0.88048	0.871762	0.864672
0.908461	0.911652	0.911105	0.90847	0.90126	0.893133	0.881758	0.870442	0.861824	0.854815
0.905099	0.908278	0.907734	0.905109	0.897926	0.889828	0.878496	0.867222	0.858635	0.851652
0.904104	0.907279	0.906735	0.904113	0.896938	0.888849	0.877529	0.866268	0.857691	0.850715
0.902838	0.906009	0.905466	0.902848	0.895682	0.887605	0.876301	0.865055	0.85649	0.849524
0.898595	0.901751	0.90121	0.898604	0.891472	0.883433	0.872182	0.860989	0.852465	0.845531
0.894012	0.897152	0.896614	0.894021	0.886926	0.878928	0.867734	0.856598	0.848117	0.841219
0.889542	0.892666	0.892131	0.889551	0.882491	0.874533	0.863395	0.852315	0.843876	0.837013
0.886695	0.88981	0.889276	0.886705	0.879667	0.871735	0.860632	0.849588	0.841176	0.834334
0.88572	0.888831	0.888298	0.885729	0.8787	0.870776	0.859686	0.848653	0.840251	0.833417
0.882797	0.885898	0.885367	0.882806	0.8758	0.867902	0.856849	0.845853	0.837478	0.830666
0.877147	0.880228	0.8797	0.877156	0.870195	0.862348	0.851365	0.840439	0.832118	0.82535
0.867499	0.870546	0.870024	0.867508	0.860623	0.852862	0.842	0.831194	0.822965	0.816271
0.857002	0.860012	0.859496	0.857011	0.850209	0.842542	0.831812	0.821137	0.813007	0.806394
0.845175	0.848144	0.847635	0.845184	0.838476	0.830915	0.820333	0.809805	0.801787	0.795266
0.834103	0.837033	0.836531	0.834112	0.827492	0.82003	0.809586	0.799197	0.791284	0.784848
0.825262	0.828161	0.827664	0.825271	0.818721	0.811338	0.801005	0.790725	0.782896	0.776529
0.819485	0.822363	0.82187	0.819494	0.81299	0.805658	0.795398	0.78519	0.777416	0.771093
0.818092	0.820965	0.820473	0.818101	0.811608	0.804289	0.794046	0.783855	0.776094	0.769782
0.817274	0.820144	0.819653	0.817283	0.810796	0.803484	0.793251	0.783072	0.775318	0.769012
0.818908	0.821785	0.821292	0.818917	0.812418	0.805091	0.794838	0.784638	0.776869	0.77055
0.820137	0.823017	0.822524	0.820145	0.813636	0.806299	0.79603	0.785815	0.778034	0.771706
0.821367	0.824252	0.823758	0.821376	0.814857	0.807508	0.797224	0.786993	0.779201	0.772864
0.81956	0.822439	0.821945	0.819569	0.813064	0.805732	0.79547	0.785262	0.777487	0.771164
0.814151	0.81701	0.816521	0.814159	0.807698	0.800414	0.79022	0.780079	0.772356	0.766074
0.807801	0.810638	0.810152	0.807809	0.801398	0.794171	0.784057	0.773995	0.766331	0.760099
0.802792	0.805612	0.805129	0.802801	0.796429	0.789247	0.779195	0.769196	0.76158	0.755386
0.802792	0.805612	0.805129	0.802801	0.796429	0.789247	0.779195	0.769196	0.76158	0.755386
0.802792	0.805612	0.805129	0.802801	0.796429	0.789247	0.779195	0.769196		



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0.881298	0.878224	0.878927	0.883344	0.892898	0.901098	0.90508	0.904086	0.899767	0.896897
0.871868	0.868827	0.869523	0.873892	0.883344	0.891456	0.895396	0.894412	0.890139	0.8873
0.86097	0.857967	0.858654	0.862969	0.872302	0.880313	0.884204	0.883232	0.879013	0.876209
0.851155	0.848186	0.848865	0.853131	0.862358	0.870278	0.874124	0.873163	0.868992	0.86622
0.848005	0.845048	0.845724	0.849974	0.859167	0.867057	0.870889	0.869932	0.865777	0.863015
0.847073	0.844118	0.844794	0.849039	0.858222	0.866104	0.869931	0.868976	0.864824	0.862066
0.845887	0.842936	0.843611	0.847851	0.857021	0.864891	0.868714	0.867759	0.863614	0.860859
0.841911	0.838975	0.839646	0.843866	0.852993	0.860826	0.864631	0.863681	0.859555	0.856813
0.837617	0.834696	0.835364	0.839562	0.848642	0.856436	0.860221	0.859276	0.855171	0.852443
0.833429	0.830522	0.831187	0.835364	0.844399	0.852154	0.85592	0.854979	0.850895	0.848181
0.830762	0.827865	0.828527	0.832691	0.841697	0.849427	0.853181	0.852243	0.848172	0.845467
0.829848	0.826954	0.827616	0.831775	0.840771	0.848493	0.852242	0.851306	0.847239	0.844537
0.82711	0.824225	0.824885	0.82903	0.837997	0.845692	0.84943	0.848497	0.844443	0.84175
0.821816	0.81895	0.819606	0.823724	0.832634	0.84028	0.843994	0.843066	0.839039	0.836363
0.812776	0.809942	0.81059	0.814663	0.823475	0.831037	0.83471	0.833793	0.829809	0.827163
0.802942	0.800141	0.800782	0.804806	0.813511	0.820981	0.82461	0.823704	0.819769	0.817154
0.791861	0.789099	0.789731	0.7937	0.802284	0.809652	0.81323	0.812337	0.808456	0.805877
0.781488	0.778762	0.779386	0.783302	0.791774	0.799045	0.802577	0.801695	0.797865	0.79532
0.773204	0.770507	0.771124	0.774999	0.783381	0.790576	0.794069	0.793197	0.789408	0.78689
0.767792	0.765114	0.765726	0.769574	0.777898	0.785042	0.788511	0.787645	0.783882	0.781382
0.766486	0.763813	0.764425	0.768266	0.776575	0.783707	0.787171	0.786306	0.782549	0.780053
0.76572	0.763049	0.76366	0.767498	0.775799	0.782923	0.786383	0.785519	0.781767	0.779273
0.767251	0.764575	0.765187	0.769033	0.77735	0.784489	0.787956	0.78709	0.78333	0.780832
0.768402	0.765722	0.766335	0.770186	0.778516	0.785666	0.789138	0.788271	0.784505	0.782003
0.769555	0.766871	0.767485	0.771341	0.779684	0.786844	0.790322	0.789453	0.785682	0.783176
0.767862	0.765184	0.765796	0.769644	0.777969	0.785113	0.788583	0.787717	0.783954	0.781453
0.762794	0.760133	0.760742	0.764565	0.772834	0.779932	0.783378	0.782518	0.778779	0.776295
0.756844	0.754204	0.754808	0.758601	0.766806	0.773848	0.777268	0.776414	0.772705	0.77024
0.752152	0.749528	0.750128	0.753898	0.762052	0.76905	0.772449	0.7716	0.767914	0.765465
0.752152	0.749528	0.750128	0.753898	0.762052	0.76905	0.772449	0.7716	0.767914	0.765465
0.752152	0.749528	0.750128	0.753898	0.762052	0.76905	0.772449	0.7716	0	

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0.000409	0.909412	0.924481	0.938464	0.952562	0.963546	0.973279	0.982217	0.986756	0.988833
0.890774	0.899681	0.914589	0.928422	0.942369	0.953236	0.962865	0.971707	0.976198	0.978252
0.879639	0.888435	0.903156	0.916817	0.93059	0.941321	0.950829	0.959561	0.963995	0.966024
0.869612	0.878307	0.89286	0.906365	0.919981	0.93059	0.93999	0.948622	0.953006	0.955011
0.866394	0.875057	0.889557	0.903012	0.916577	0.927147	0.936512	0.945112	0.94948	0.951478
0.865441	0.874095	0.888578	0.902018	0.915569	0.926127	0.935482	0.944073	0.948435	0.950431
0.864229	0.872871	0.887334	0.900756	0.914287	0.92483	0.934172	0.942751	0.947108	0.949101
0.860167	0.868768	0.883164	0.896522	0.90999	0.920483	0.929781	0.93832	0.942656	0.94464
0.855781	0.864338	0.87866	0.89195	0.905349	0.915789	0.925039	0.933535	0.937849	0.939822
0.851502	0.860016	0.874266	0.88749	0.900822	0.91121	0.920414	0.928867	0.933159	0.935123
0.848777	0.857264	0.871469	0.88465	0.89794	0.908294	0.917469	0.925894	0.930173	0.932131
0.847843	0.856321	0.87051	0.883677	0.896952	0.907295	0.91646	0.924876	0.92915	0.931105
0.845045	0.853495	0.867637	0.880761	0.893992	0.904301	0.913435	0.921824	0.926084	0.928033
0.839637	0.848033	0.862085	0.875124	0.88827	0.898513	0.907589	0.915924	0.920157	0.922093
0.830401	0.838704	0.852602	0.865498	0.878499	0.88863	0.897606	0.905849	0.910035	0.91195
0.820353	0.828556	0.842285	0.855025	0.86787	0.877877	0.886745	0.894888	0.899024	0.900916
0.809032	0.817122	0.830662	0.843226	0.855893	0.865763	0.874508	0.882539	0.886617	0.888483
0.798434	0.806418	0.81978	0.832179	0.844681	0.854421	0.863052	0.870978	0.875003	0.876844
0.789971	0.79787	0.81109	0.823358	0.835727	0.845364	0.853903	0.861745	0.865728	0.867549
0.784441	0.792284	0.805413	0.817595	0.829877	0.839447	0.847926	0.855713	0.859667	0.861477
0.783107	0.790938	0.804043	0.816205	0.828466	0.83802	0.846485	0.854258	0.858206	0.860012
0.782324	0.790147	0.803239	0.815389	0.827638	0.837182	0.845638	0.853404	0.857348	0.859152
0.783889	0.791727	0.804846	0.81702	0.829293	0.838856	0.847329	0.855111	0.859062	0.86087
0.785065	0.792915	0.806053	0.818245	0.830537	0.840114	0.8486	0.856393	0.860351	0.862162
0.786242	0.794104	0.807262	0.819472	0.831783	0.841374	0.849873	0.857678	0.861642	0.863455
0.784513	0.792357	0.805486	0.81767	0.829953	0.839523	0.848003	0.855791	0.859746	0.861555
0.779335	0.787127	0.80017	0.812273	0.824475	0.833983	0.842407	0.850143	0.854072	0.855869
0.773256	0.780988	0.793929	0.805937	0.818044	0.827478	0.835836	0.843512	0.84741	0.849193
0.768462	0.776146	0.789006	0.80094	0.812972	0.822347	0.830654	0.838282	0.842156	0.843928
0.768462	0.776146	0.789006	0.80094	0.812972	0.822347	0.830654	0.838282	0.842156	0.843928
0.768462	0.776146	0.789006	0.80094	0.812972	0.822347	0.830654	0.838282	0.	



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0.979035	0.982573	0.9893	0	0	0	0	0	0	0
0.966798	0.970291	0.976934	0.9875	0	0	0	0	0	0
0.955776	0.959229	0.965797	0.976243	0.9886	0	0	0	0	0
0.95224	0.95568	0.962223	0.97263	0.984942	0.9963	0	0	0	0
0.951192	0.954629	0.961165	0.971561	0.983859	0.995204	0.9989	0	0	0
0.949861	0.953292	0.959819	0.9702	0.982481	0.993811	0.997502	0.9986	0	0
0.945396	0.948812	0.955308	0.96564	0.977864	0.98914	0.992813	0.993907	0.9953	0
0.940575	0.943973	0.950436	0.960716	0.972877	0.984095	0.98775	0.988838	0.990224	0.9949
0.935872	0.939253	0.945684	0.955912	0.968012	0.979175	0.982811	0.983893	0.985273	0.989926
0.932877	0.936248	0.942658	0.952853	0.964915	0.976041	0.979666	0.980745	0.98212	0.986758
0.931851	0.935218	0.941621	0.951805	0.963853	0.974968	0.978589	0.979666	0.98104	0.985672
0.928776	0.932131	0.938513	0.948664	0.960672	0.97175	0.975359	0.976433	0.977802	0.98242
0.922832	0.926166	0.932507	0.942593	0.954524	0.965531	0.969117	0.970184	0.971544	0.976132
0.91268	0.915978	0.922249	0.932224	0.944024	0.95491	0.958457	0.959512	0.960857	0.965395
0.901637	0.904895	0.91109	0.920944	0.932602	0.943356	0.946859	0.947902	0.949231	0.953713
0.889194	0.892407	0.898517	0.908235	0.919732	0.930338	0.933793	0.934821	0.936132	0.940552
0.877546	0.880717	0.886746	0.896337	0.907683	0.91815	0.92156	0.922575	0.923868	0.928231
0.868244	0.871381	0.877347	0.886836	0.898062	0.908418	0.911791	0.912796	0.914075	0.918392
0.862166	0.865281	0.871205	0.880628	0.891775	0.902059	0.905409	0.906406	0.907677	0.911963
0.860701	0.86381	0.869724	0.879131	0.890259	0.900525	0.90387	0.904865	0.906134	0.910413
0.85984	0.862947	0.868855	0.878252	0.889369	0.899625	0.902966	0.90396	0.905227	0.909502
0.86156	0.864672	0.870592	0.880009	0.891148	0.901424	0.904772	0.905768	0.907038	0.911321
0.862852	0.865969	0.871898	0.881329	0.892485	0.902776	0.906129	0.907127	0.908399	0.912688
0.864146	0.867268	0.873206	0.882651	0.893823	0.90413	0.907488	0.908487	0.909761	0.914057
0.862245	0.86536	0.871285	0.880709	0.891857	0.902141	0.905492	0.906489	0.90776	0.912046
0.856554	0.859649	0.865535	0.874896	0.885971	0.896187	0.899515	0.900506	0.901768	0.906027
0.849873	0.852944	0.858783	0.868072	0.87906	0.889197	0.892499	0.893482	0.894735	0.89896
0.844604	0.847655	0.853459	0.86269	0.87361	0.883684	0.886966	0.887942	0.889187	0.893386
0.844604	0.847655	0.853459	0.86269	0.87361	0.883684	0.886966	0.887942	0.889187	0.893386
0.844604	0.847655	0.853459	0.86269	0.87361	0.883684	0.886966	0.887942	0.889187	0.893386
0.844604	0.847655	0.853459	0.86269	0.87361	0.883684	0.886966	0.887942	0.889187	0.893386
0.844604	0.847655	0.853459	0.86269	0.87361	0.883684	0.886966	0.887942	0.889	

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	FipeZap Locação					São Paulo					Rio	
	Total	1D	2D	3D	4+D	Total	1D	2D	3D	4+D	Total	1D
Jan-08												
Feb-08	0.97%	2.04%	0.92%	-0.40%	0.31%	2.52%	6.31%	1.42%	0.67%	0.47%	-1.29%	-3.50%
Mar-08	3.74%	8.82%	2.94%	1.09%	0.78%	3.47%	8.58%	1.40%	1.35%	0.73%	4.14%	9.13%
Apr-08	1.62%	1.30%	0.90%	2.32%	1.09%	4.16%	6.20%	4.98%	2.02%	1.18%	-2.07%	-5.04%
May-08	2.25%	2.33%	2.06%	2.97%	0.88%	3.24%	3.00%	5.26%	1.78%	1.57%	0.81%	1.47%
Jun-08	-0.40%	-4.65%	-0.48%	2.26%	1.13%	1.23%	-0.48%	2.36%	1.57%	2.13%	-2.78%	-10.06%
Jul-08	1.60%	1.86%	2.02%	0.51%	1.49%	2.01%	3.58%	1.40%	1.18%	1.15%	1.02%	-0.36%
Aug-08	0.58%	0.23%	0.47%	0.31%	1.78%	0.62%	1.31%	-0.65%	1.53%	0.19%	0.53%	-1.17%
Sep-08	2.09%	4.02%	2.66%	0.50%	0.83%	1.65%	2.57%	1.65%	1.16%	0.01%	2.73%	5.91%
Oct-08	1.61%	4.15%	1.42%	0.97%	0.26%	-0.12%	-0.10%	-0.92%	0.71%	0.27%	4.12%	9.66%
Nov-08	0.72%	1.34%	0.07%	1.42%	0.21%	-0.56%	-0.75%	-1.66%	0.62%	0.47%	2.57%	4.04%
Dec-08	0.04%	0.66%	-1.00%	0.93%	0.47%	-0.52%	-0.93%	-1.64%	0.94%	0.49%	0.84%	2.72%
Jan-09	0.29%	-0.37%	0.39%	0.43%	1.18%	0.22%	-0.26%	0.15%	0.64%	0.85%	0.40%	-0.52%
Feb-09	1.39%	1.40%	2.32%	0.42%	1.00%	1.62%	1.72%	2.34%	0.68%	1.56%	1.06%	1.00%
Mar-09	0.80%	-0.06%	1.60%	0.19%	1.05%	1.45%	1.68%	2.30%	0.37%	0.95%	-0.14%	-2.31%
Apr-09	0.41%	-0.74%	1.44%	0.24%	0.30%	0.99%	0.11%	2.50%	0.42%	0.60%	-0.44%	-1.84%
May-09	0.33%	0.35%	0.19%	0.66%	0.65%	0.41%	-0.37%	0.93%	0.68%	0.58%	0.21%	1.28%
Jun-09	0.81%	1.96%	0.79%	0.33%	0.74%	0.99%	0.61%	1.41%	0.81%	1.27%	0.56%	3.72%
Jul-09	0.19%	0.94%	-0.23%	0.32%	0.71%	-0.14%	-0.91%	-0.32%	0.62%	0.84%	0.66%	3.32%
Aug-09	0.61%	0.69%	1.27%	0.16%	0.06%	-0.14%	-0.61%	-0.16%	0.20%	0.47%	1.69%	2.37%
Sep-09	0.62%	-0.92%	1.48%	0.80%	0.61%	-0.45%	-1.26%	-0.06%	-0.10%	-0.07%	2.16%	-0.49%
Oct-09	1.65%	0.66%	2.44%	1.44%	1.35%	0.35%	0.17%	-0.02%	0.65%	1.24%	3.54%	1.30%
Nov-09	1.00%	-0.08%	1.29%	1.39%	1.53%	0.03%	-0.95%	0.23%	0.49%	1.05%	2.41%	1.04%
Dec-09	0.99%	0.64%	0.73%	1.92%	1.02%	0.20%	-0.99%	0.41%	1.08%	0.81%	2.13%	2.75%
Jan-10	0.20%	-1.31%	0.37%	1.54%	0.79%	-0.03%	-1.60%	0.99%	0.47%	0.40%	0.54%	-0.93%
Feb-10	1.57%	1.93%	1.19%	2.16%	0.64%	1.20%	0.72%	1.86%	1.27%	0.58%	2.11%	3.49%
Mar-10	2.63%	3.70%	3.03%	1.71%	1.07%	2.38%	2.32%	3.39%	1.75%	1.14%	3.00%	5.49%
Apr-10	2.90%	4.39%	3.20%	1.78%	0.70%	3.32%	4.14%	3.99%	2.40%	1.26%	2.29%	4.72%
May-10	1.65%	0.92%	2.79%	1.08%	1.46%	2.10%	1.88%	2.93%	1.71%	1.16%	1.01%	-0.32%
Jun-10	0.46%	-1.02%	1.04%	1.04%	0.96%	1.05%	1.01%	1.05%	0.95%	1.35%	-0.40%	-3.66%
Jul-10	0.54%	-0.13%	0.29%	1.30%	1.13%	0.70%	0.58%	0.35%	0.98%	1.38%	0.30%	-1.04%
Aug-10	0.91%	1.42%	0.15%	1.21%	1.43%	0.71%	0.51%	0.23%	0.86%	2.37%	1.19%	2.58%
Sep-10	1.65%	3.15%	0.39%	1.63%	1.97%	0.49%	0.59%	-0.18%	0.97%	1.11%	3.34%	6.48%
Oct-10	1.08%	1.51%	0.78%	0.91%	1.45%	-0.24%	-0.60%	-0.86%	0.46%	0.93%	2.99%	4.25%
Nov-10	1.90%	2.82%	1.13%	2.12%	1.52%	0.74%	0.24%	0.30%	1.72%	1.08%	3.59%	6.17%
Dec-10	1.70%	2.14%	1.90%	1.19%	1.17%	1.32%	1.25%	1.38%	1.20%	1.58%	2.26%	3.30%
Jan-11	2.26%	3.51%	1.39%	1.87%	2.04%	2.00%	2.54%	1.76%	1.56%	2.20%	2.64%	4.77%
Feb-11	1.52%	1.14%	2.07%	1.71%	0.51%	1.81%	2.61%	1.99%	1.25%	0.44%	1.09%	-0.78%
Mar-11	1.51%	1.21%	1.27%	2.35%	1.08%	1.99%	2.24%	1.98%	2.05%	1.21%	0.82%	-0.12%
Apr-11	2.03%	1.81%	2.48%	2.05%	1.35%	1.87%	1.71%	2.23%	2.22%	0.54%	2.27%	1.93%
May-11	2.05%	2.44%	1.81%	1.77%	2.31%	1.39%	1.35%	1.24%	1.64%	1.39%	3.01%	3.87%
Jun-11	1.71%	2.03%	1.67%	1.42%	1.55%	1.27%	1.62%	1.19%	1.20%	0.73%	2.35%	2.56%
Jul-11	0.65%	0.28%	0.68%	1.04%	0.75%	0.66%	0.60%	0.62%	0.75%	0.70%	0.65%	-0.13%
Aug-11	0.73%	0.80%	0.86%	0.29%	1.15%	0.94%	1.44%	0.83%	0.63%	0.51%	0.43%	-0.03%
Sep-11	0.52%	0.60%	0.19%	0.47%	1.57%	0.24%	0.27%	-0.51%	0.67%	1.40%	0.93%	1.02%

Oct-11	0.95%	1.46%	0.36%	0.86%	1.57%	0.41%	0.81%	-0.85%	1.21%	1.12%	1.74%	2.30%
Nov-11	0.76%	0.63%	0.13%	1.38%	1.74%	0.29%	-0.62%	-0.59%	1.59%	2.40%	1.43%	2.24%
Dec-11	1.39%	0.98%	1.76%	1.71%	0.86%	0.79%	-0.41%	1.17%	1.71%	0.95%	2.28%	2.79%
Jan-12	1.06%	0.41%	1.87%	1.04%	0.47%	0.90%	0.28%	1.76%	0.65%	0.56%	1.29%	0.57%
Feb-12	1.27%	1.32%	1.62%	0.90%	0.75%	1.20%	1.32%	1.60%	0.64%	0.88%	1.37%	1.32%
Mar-12	1.22%	1.44%	1.40%	0.63%	1.23%	1.22%	1.57%	1.35%	0.53%	1.42%	1.21%	1.28%
Apr-12	1.30%	1.60%	0.98%	1.47%	0.96%	1.13%	1.16%	0.93%	1.34%	1.16%	1.56%	2.17%
May-12	1.07%	1.24%	0.89%	1.19%	0.82%	0.97%	1.36%	0.52%	0.95%	1.28%	1.22%	1.09%
Jun-12	0.53%	0.62%	0.02%	0.90%	1.14%	0.61%	0.95%	-0.21%	0.88%	1.61%	0.41%	0.18%
Jul-12	0.60%	0.77%	0.37%	0.68%	0.61%	0.75%	1.18%	0.45%	0.77%	0.42%	0.37%	0.22%
Aug-12	0.62%	0.51%	0.50%	0.56%	1.60%	0.84%	0.56%	1.09%	0.48%	1.70%	0.31%	0.45%
Sep-12	0.90%	0.94%	0.78%	0.68%	1.67%	1.09%	0.91%	1.33%	0.56%	2.06%	0.63%	0.98%
Oct-12	0.37%	-0.39%	0.61%	0.33%	2.25%	0.32%	-0.44%	0.47%	0.00%	2.84%	0.44%	-0.31%
Nov-12	0.63%	0.44%	0.60%	1.00%	0.65%	0.43%	0.48%	0.00%	1.08%	0.16%	0.93%	0.37%
Dec-12	0.53%	0.22%	0.68%	1.18%	-0.41%	0.14%	-0.16%	0.05%	1.31%	-1.37%	1.11%	0.71%
Jan-13	1.33%	1.84%	1.14%	1.14%	0.83%	1.12%	1.34%	0.77%	1.58%	0.61%	1.63%	2.48%
Feb-13	1.07%	1.28%	0.99%	1.02%	0.78%	0.64%	0.51%	0.49%	0.97%	0.78%	1.70%	2.29%
Mar-13	1.08%	1.37%	1.14%	0.65%	0.97%	0.60%	0.68%	0.60%	0.42%	0.97%	1.78%	2.26%
Apr-13	0.85%	0.83%	1.13%	0.53%	0.42%	0.46%	0.09%	0.87%	0.27%	0.42%	1.41%	1.79%
May-13	0.45%	0.26%	0.70%	0.33%	0.25%	0.37%	-0.28%	0.81%	0.43%	0.31%	0.57%	0.96%
Jun-13	0.28%	0.12%	0.55%	0.27%	-0.50%	0.33%	0.09%	0.72%	0.27%	-0.58%	0.21%	0.15%
Jul-13	0.31%	0.37%	0.44%	0.28%	-0.37%	0.50%	0.94%	0.72%	-0.02%	-0.37%	0.04%	-0.37%
Aug-13	0.22%	0.40%	0.29%	0.01%	-0.09%	0.41%	1.23%	0.31%	-0.26%	0.29%	-0.07%	-0.67%
Sep-13	0.15%	0.18%	0.06%	0.19%	0.47%	0.50%	0.81%	0.28%	0.44%	0.66%	-0.35%	-0.64%
Oct-13	0.34%	0.27%	0.21%	0.23%	1.81%	0.54%	0.71%	0.10%	0.37%	2.59%	0.06%	-0.30%
Nov-13	0.61%	0.60%	0.64%	0.28%	1.50%	0.82%	0.73%	0.88%	0.49%	1.89%	0.29%	0.45%
Dec-13	0.90%	1.42%	0.87%	0.16%	1.30%	0.97%	1.61%	0.89%	0.07%	1.97%	0.80%	1.18%
Jan-14	0.61%	1.10%	0.48%	0.52%	-0.43%	0.40%	0.76%	0.28%	0.46%	-0.42%	0.91%	1.55%
Feb-14	0.80%	1.00%	0.72%	0.83%	0.41%	0.16%	0.18%	0.26%	0.31%	-0.88%	1.29%	1.25%
Mar-14	0.73%	0.46%	0.69%	0.97%	0.88%	0.07%	-0.79%	0.27%	0.62%	0.36%	1.30%	1.38%
Apr-14	0.66%	0.85%	0.84%	0.32%	0.03%	0.21%	-0.22%	0.52%	0.29%	-0.02%	1.00%	0.84%
May-14	0.62%	2.02%	0.22%	0.08%	-0.89%	0.20%	0.70%	-0.18%	0.57%	-0.86%	0.82%	1.38%
Jun-14	0.14%	0.64%	0.06%	0.02%	-1.08%	0.16%	0.77%	0.15%	0.19%	-2.03%	0.43%	0.97%
Jul-14	0.06%	0.26%	-0.02%	-0.01%	-0.35%	0.19%	0.85%	-0.07%	0.17%	-0.76%	0.35%	1.42%
Aug-14	-0.20%	-0.75%	-0.02%	0.00%	0.30%	0.15%	0.12%	-0.06%	0.14%	1.41%	-0.08%	0.17%
Sep-14	-0.07%	0.27%	-0.25%	-0.21%	-0.22%	-0.29%	-0.05%	-0.69%	-0.15%	0.39%	-0.50%	-0.25%
Oct-14	-0.35%	-0.17%	-0.41%	-0.45%	-0.31%	-0.07%	-0.02%	-0.26%	-0.05%	0.57%	-1.07%	-1.72%
Nov-14	-0.26%	0.05%	-0.37%	-0.39%	-0.58%	-0.02%	0.70%	-0.23%	-0.10%	-1.33%	-0.91%	-1.28%
Dec-14	0.08%	0.34%	-0.01%	-0.03%	0.01%	0.50%	1.21%	0.20%	0.42%	-0.36%	-0.44%	-1.05%
Jan-15	0.16%	0.34%	0.08%	0.27%	-0.58%	0.34%	0.84%	0.21%	0.36%	-0.93%	0.11%	0.27%
Feb-15	0.38%	0.25%	0.51%	0.36%	0.19%	0.63%	0.47%	0.96%	0.28%	0.77%	0.48%	0.89%
Mar-15	0.31%	0.29%	0.46%	0.28%	-0.23%	0.20%	0.32%	0.36%	-0.16%	0.12%	0.32%	0.76%
Apr-15	0.16%	-0.07%	0.24%	0.22%	0.42%	0.07%	0.11%	0.11%	-0.14%	0.49%	-0.39%	-0.28%
May-15	-0.18%	0.01%	-0.23%	-0.23%	-0.51%	-0.47%	-0.02%	-0.62%	-0.61%	-0.98%	-0.99%	-1.04%
Jun-15	-0.66%	-0.63%	-0.61%	-0.79%	-0.61%	-0.64%	-0.61%	-0.56%	-0.77%	-0.70%	-1.63%	-2.16%
Jul-15	-0.67%	-0.29%	-0.61%	-1.18%	-0.53%	-0.76%	-0.60%	-0.62%	-1.27%	-0.49%	-1.49%	-1.44%
Aug-15	-0.72%	-0.71%	-0.58%	-0.98%	-0.31%	-0.60%	-0.69%	-0.44%	-0.75%	-0.62%	-1.48%	-1.55%

Sep-15	-0.78%	-0.75%	-0.80%	-0.87%	-0.44%	-0.74%	-1.08%	-0.64%	-0.59%	-0.40%	-1.14%	-0.89%
Oct-15	-0.67%	-1.04%	-0.48%	-0.49%	-0.93%	-0.52%	-1.03%	-0.43%	-0.08%	-0.57%	-1.00%	-1.20%
Nov-15	-0.68%	-0.63%	-0.82%	-0.52%	-0.98%	-0.76%	-1.08%	-0.84%	-0.40%	-0.35%	-0.91%	-0.73%
Dec-15	-0.04%	0.57%	-0.33%	-0.19%	-0.60%	-0.49%	-0.36%	-0.61%	-0.34%	-0.90%	-0.46%	-0.12%
Jan-16	-0.16%	0.07%	-0.34%	-0.25%	-0.05%	-0.50%	-0.28%	-0.60%	-0.50%	-0.72%	-0.21%	0.18%
Feb-16	0.00%	0.16%	-0.05%	-0.17%	0.23%	-0.04%	-0.07%	0.05%	-0.23%	0.21%	-0.08%	0.32%
Mar-16	-0.12%	-0.14%	-0.02%	-0.24%	0.08%	0.11%	0.07%	0.09%	-0.07%	0.93%	-0.36%	-0.22%
Apr-16	-0.22%	-0.10%	-0.32%	-0.28%	-0.02%	0.20%	0.74%	-0.05%	-0.10%	0.42%	-0.68%	-0.77%
May-16	-0.52%	-0.42%	-0.60%	-0.52%	-0.41%	-0.24%	0.47%	-0.69%	-0.29%	-0.45%	-1.07%	-1.44%
Jun-16	-0.77%	-0.89%	-0.71%	-0.65%	-0.66%	-0.38%	0.08%	-0.52%	-0.55%	-0.82%	-1.25%	-1.51%
Jul-16	-0.67%	-0.85%	-0.60%	-0.55%	-0.45%	-0.35%	-0.17%	-0.35%	-0.48%	-0.63%	-1.14%	-1.51%
Aug-16	-0.37%	-0.54%	-0.27%	-0.31%	-0.19%	-0.24%	-0.35%	0.16%	-0.65%	-0.51%	-0.37%	-0.69%
Sep-16	-0.14%	-0.17%	-0.21%	-0.08%	0.21%	-0.26%	-0.35%	-0.09%	-0.27%	-0.75%	-0.11%	-0.58%
Oct-16	-0.17%	-0.30%	-0.19%	-0.08%	0.33%	-0.17%	-0.10%	-0.26%	-0.06%	-0.38%	-0.14%	-0.32%
Nov-16	-0.11%	-0.29%	-0.13%	0.02%	0.27%	-0.10%	-0.26%	-0.32%	0.33%	0.28%	-0.47%	-0.70%
Dec-16	-0.02%	-0.04%	-0.09%	0.09%	-0.06%	0.15%	0.34%	-0.03%	0.31%	-0.12%	-0.51%	-0.69%
Jan-17	0.17%	0.22%	0.12%	0.19%	0.07%	0.40%	0.84%	0.14%	0.39%	0.03%	-0.50%	-0.47%
Feb-17	0.15%	0.27%	0.06%	0.18%	-0.09%	0.33%	0.83%	0.09%	0.27%	-0.28%	-0.32%	-0.23%
Mar-17	0.15%	0.31%	0.07%	0.11%	0.06%	0.31%	0.69%	0.08%	0.21%	0.24%	-0.11%	0.24%
Apr-17	0.09%	0.30%	0.11%	-0.10%	-0.22%	0.46%	0.70%	0.55%	0.00%	0.53%	-0.33%	-0.12%
May-17	0.03%	0.07%	0.13%	-0.07%	-0.17%	0.56%	0.79%	0.60%	0.11%	0.94%	-0.64%	-0.42%
Jun-17	-0.12%	-0.18%	-0.07%	-0.07%	-0.28%	0.49%	0.49%	0.56%	0.19%	1.07%	-1.10%	-1.24%
Jul-17	-0.21%	-0.71%	-0.13%	0.08%	0.37%	0.07%	-0.26%	-0.01%	0.47%	0.55%	-1.21%	-1.80%
Aug-17	-0.33%	-0.53%	-0.44%	-0.23%	0.64%	-0.24%	-0.33%	-0.26%	-0.13%	-0.14%	-1.38%	-2.06%
Sep-17	-0.29%	-0.52%	-0.26%	-0.27%	0.49%	-0.23%	0.03%	-0.42%	-0.26%	-0.32%	-1.31%	-1.88%
Oct-17	-0.28%	-0.14%	-0.37%	-0.35%	-0.05%	-0.21%	0.10%	-0.23%	-0.49%	-0.53%	-1.06%	-1.36%
Nov-17	-0.14%	-0.20%	-0.06%	-0.01%	-0.75%	0.03%	0.19%	-0.03%	0.02%	-0.26%	-0.70%	-0.99%
Dec-17	0.09%	0.17%	0.14%	0.02%	-0.19%	0.40%	0.57%	0.43%	0.26%	0.05%	-0.17%	-0.25%
Jan-18	0.35%	0.26%	0.41%	0.38%	0.17%	0.63%	0.91%	0.75%	0.39%	-0.42%	-0.10%	-0.30%
Feb-18	0.58%	0.77%	0.50%	0.36%	0.75%	0.87%	1.47%	0.87%	0.39%	-0.20%	0.20%	0.18%
Mar-18	0.54%	0.64%	0.44%	0.53%	0.60%	0.76%	0.94%	0.81%	0.66%	0.06%	0.15%	0.48%
Apr-18	0.29%	0.47%	0.24%	0.17%	0.14%	0.39%	0.40%	0.43%	0.35%	0.31%	0.15%	0.67%
May-18	0.13%	0.27%	0.09%	0.06%	-0.03%	0.13%	0.19%	0.12%	0.08%	0.10%	-0.22%	0.39%
Jun-18	0.03%	0.05%	0.16%	-0.13%	-0.26%	0.28%	0.07%	0.68%	0.02%	-0.11%	-0.66%	-0.54%
Jul-18	0.06%	0.11%	0.24%	-0.09%	-0.49%	0.41%	0.51%	0.59%	0.16%	-0.22%	-0.78%	-0.80%
Aug-18	0.08%	0.17%	0.23%	-0.12%	-0.48%	0.34%	0.27%	0.63%	0.06%	-0.07%	-0.62%	-0.72%

**Nota: Os preços considerados para o cálculo são médias móveis trimestrais**

**Os dados de locação são divulgados no dia 15 do mês subsequente**

**Fonte: ZAP ([www.zap.com.br](http://www.zap.com.br)) e IBGE**

**Note: Monthly prices are 3-months moving averages**

**Source: ZAP ([www.zap.com.br](http://www.zap.com.br)) and IBGE**

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2.07%	0.28%	2.42%											
1.14%	1.05%	0.49%											
2.60%	1.72%	0.68%											
2.02%	1.70%	0.29%											
1.65%	1.33%	0.50%											
1.48%	0.80%	0.88%											
1.06%	1.68%	0.58%											
1.41%	1.59%	-0.06%											
0.35%	0.94%	0.27%											
0.27%	0.54%	0.98%											
-0.34%	0.68%	1.41%											
0.00%	0.89%	0.94%											
0.81%	0.87%	1.14%											
1.42%	0.87%	1.57%											
1.55%	0.98%	1.39%											
1.67%	0.40%	1.24%											
1.68%	1.10%	0.80%											
1.91%	1.04%	0.98%											
1.50%	0.96%	0.42%											
0.53%	0.16%	0.14%											
0.31%	0.27%	-0.36%											
0.04%	0.79%	-0.38%											
0.28%	0.46%	-0.83%											
-0.24%	-0.21%	0.10%											
0.36%	0.00%	0.35%											
0.30%	-0.07%	0.77%											
0.86%	0.30%	0.06%											
0.76%	0.64%	-0.45%											
1.51%	1.21%	0.36%	.	.	.	.	.	0.29%	0.53%	-0.24%	0.23%	1.32%	.
1.46%	1.24%	0.21%	.	.	.	.	.	1.09%	1.49%	1.58%	0.35%	0.13%	.
1.17%	1.21%	0.04%	.	.	.	.	.	1.85%	3.05%	2.84%	0.03%	-0.55%	.
0.59%	0.76%	-0.39%	.	.	.	.	.	1.83%	2.71%	3.12%	-0.11%	-0.29%	.
0.18%	0.35%	-0.56%	.	.	.	.	.	1.16%	1.17%	1.67%	0.63%	0.75%	.
0.03%	-0.63%	0.18%	.	.	.	.	.	0.33%	-0.47%	0.98%	0.85%	-0.38%	.
0.09%	-0.72%	-0.18%	.	.	.	.	.	0.33%	0.71%	0.25%	0.48%	-1.12%	.
-0.47%	-0.83%	-0.83%	.	.	.	.	.	0.55%	1.91%	-0.44%	0.27%	-0.30%	.
-0.69%	-0.77%	-0.94%	.	.	.	.	.	0.24%	1.00%	-0.04%	-0.25%	-0.29%	.
-0.65%	-0.99%	-0.28%	.	.	.	.	.	0.41%	1.31%	-0.32%	0.26%	-0.09%	.
-0.12%	-0.46%	0.90%	.	.	.	.	.	0.52%	1.11%	0.55%	0.25%	-1.18%	.
-0.03%	0.20%	-0.11%	.	.	.	.	.	0.64%	1.27%	0.22%	0.68%	-0.52%	.
0.13%	0.79%	-0.63%	.	.	.	.	.	0.37%	-0.66%	1.26%	0.63%	0.67%	.
0.12%	0.53%	-1.58%	.	.	.	.	.	-0.09%	-1.52%	0.69%	0.20%	2.07%	.
-0.41%	-0.15%	-1.74%	.	.	.	.	.	0.13%	-0.92%	0.43%	0.58%	1.83%	.
-0.94%	-0.88%	-1.47%	.	.	.	.	.	0.51%	0.63%	0.18%	0.49%	1.21%	.
-1.33%	-1.34%	-1.73%	.	.	.	.	.	0.61%	1.53%	-0.26%	0.60%	0.21%	.
-1.41%	-1.65%	-1.72%	.	.	.	.	.	0.51%	1.01%	0.32%	0.12%	0.33%	.
-1.19%	-1.92%	-1.39%	.	.	.	.	.	-0.53%	-0.71%	-0.83%	-0.20%	0.27%	.



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.	.	.	.	.	.	.	.	.	1.76%	2.38%	1.84%	0.71%	2.74%
.	.	.	.	.	.	.	.	.	3.00%	5.83%	0.23%	1.12%	9.12%
.	.	.	.	.	.	.	.	.	0.02%	-1.03%	0.36%	-1.29%	3.21%
.	.	.	.	.	.	.	.	.	-0.98%	-2.68%	-0.91%	-0.46%	0.43%
.	.	.	.	.	.	.	.	.	-0.96%	-1.66%	-1.34%	-0.32%	-0.25%
.	.	.	.	.	.	.	.	.	-0.22%	-0.68%	-0.67%	0.03%	0.94%
.	.	.	.	.	.	.	.	.	-0.46%	-0.16%	0.47%	-1.30%	-1.37%
.	.	.	.	.	.	.	.	.	-1.07%	0.02%	0.27%	-2.72%	-2.56%
.	.	.	.	.	.	.	.	.	-1.94%	-1.12%	-1.53%	-2.59%	-2.86%
.	.	.	.	.	.	.	.	.	-0.76%	-0.50%	-0.97%	-1.30%	0.29%
.	.	.	.	.	.	.	.	.	0.04%	0.35%	-0.34%	0.14%	0.28%
.	.	.	.	.	.	.	.	.	2.55%	2.42%	2.96%	2.97%	0.80%
.	.	.	.	.	.	.	.	.	0.09%	-0.17%	-0.35%	0.79%	0.21%
.	.	.	.	.	.	.	.	.	2.07%	0.81%	2.36%	3.47%	0.45%
.	.	.	.	.	.	.	.	.	1.03%	1.50%	0.10%	1.39%	1.98%
.	.	.	.	.	.	.	.	.	2.76%	2.91%	2.49%	3.29%	2.05%
.	.	.	.	.	.	.	.	.	-0.30%	0.88%	-0.58%	-1.47%	1.01%
.	.	.	.	.	.	.	.	.	-0.74%	-0.30%	-0.23%	-1.87%	-0.39%
.	.	.	.	.	.	.	.	.	-0.63%	-1.54%	0.29%	-1.40%	0.11%

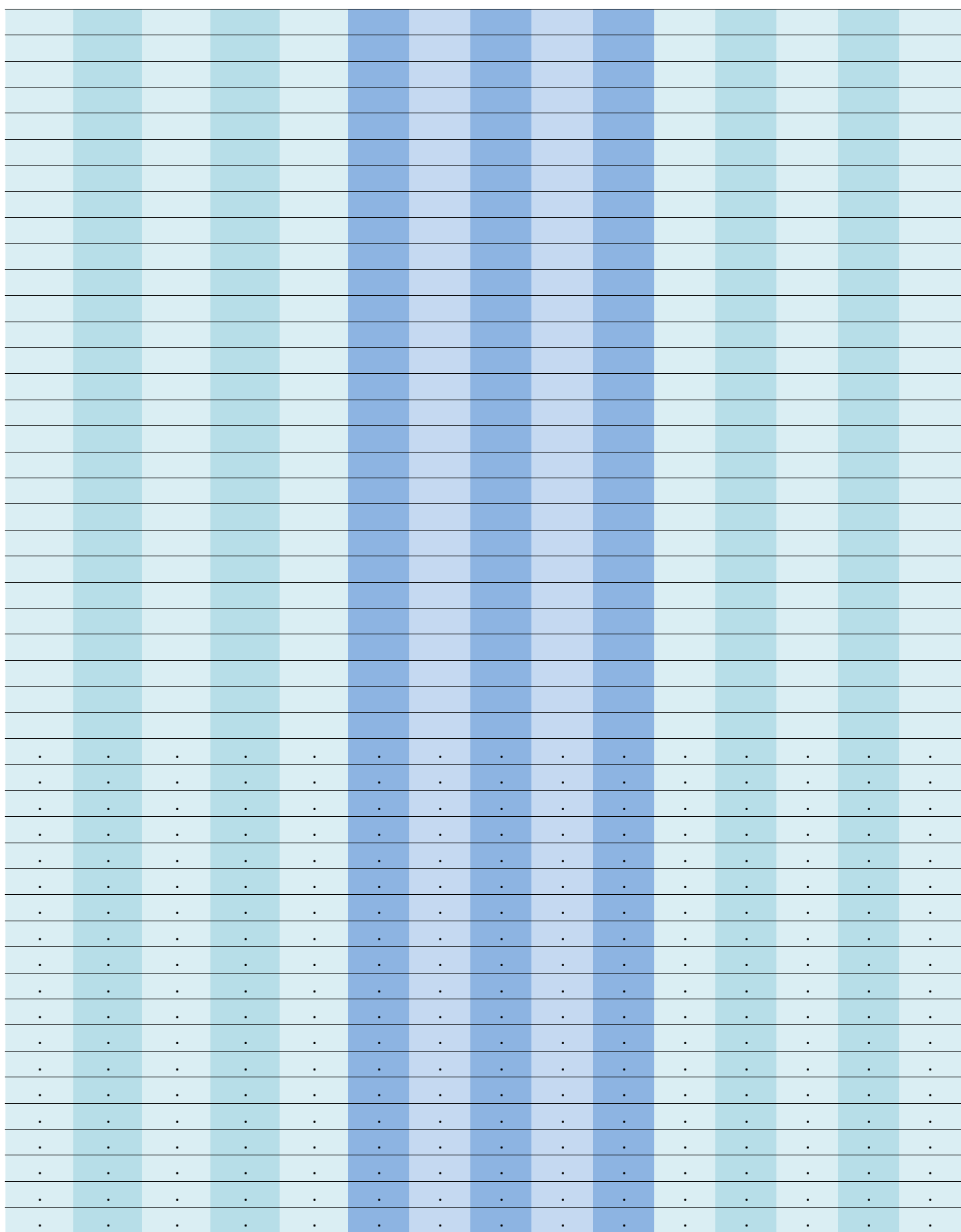
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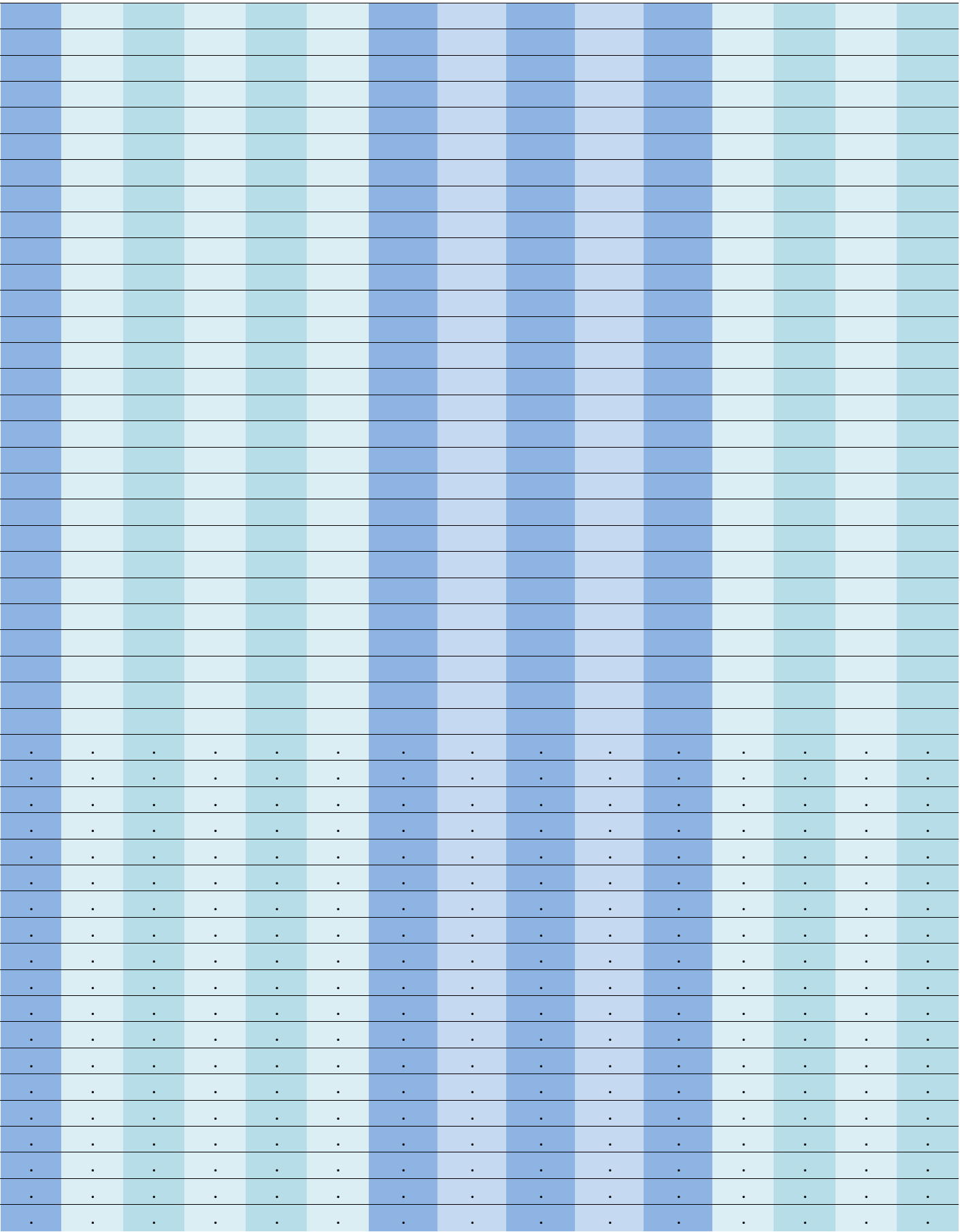
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