

Rövid név	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
Összesítő a KELER Zrt-n keresztül lebonyolított tőzsdén kívüli (OTC) értékpapír forgalomról					
2019.12.09 - 2019.12.14					
Diszkont kincstárjegy	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
D191223	HU0000522776	221000	220997.146	99.99878	99.9986
D191231	HU0000522420	111223960	110880642.86	99.970146	98.4992
D200108	HU0000522784	63800	63795.534	99.992994	99.992857
D200226	HU0000522495	29716810	29715568.658	99.996876	99.9914
D200429	HU0000522578	165640	165644.718	100.009473	100
D200624	HU0000522644	29171360	29161994.402	99.998457	99.9658
D200826	HU0000522735	50500	50507.421	100.01825	100.014401
D201021	HU0000522818	901180	901174.931	99.997624	99.982599
D191211	HU0000522750	42900	42900.085	100.000198	100.000098
D200311	HU0000522883	18000000	18002691	100.014742	100.013
Összesen		189557150	189205916.755		
Jelzáloglevél	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
TJ24NV01	HU0000653266	15566850	15553818.65	99.893319	99.66
FJ20NF01	HU0000652763	130000	140431.33	108.0241	108.0241
UCJBV2020A	HU0000652433	200	202.526	101.263	101.263
Összesen		15697050	15694452.506		
Kamatozó kincstárjegy	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
K200108	HU0000551825	71180	72827.888	102.3151	102.3151
K200115	HU0000551833	235940	241288.996	102.2671	102.2671
K200122	HU0000551841	727220	743358.466	102.2192	102.2192
K200129	HU0000551858	29270	29905.51	102.171199	102.171199
K200205	HU0000551866	60570	61856.083	102.1233	102.1233
K200212	HU0000551916	44250	45167.61	102.049366	102.023431
K200219	HU0000551924	864460	881984.928	101.998647	101.962264
K200226	HU0000551932	1128820	1151164.759	101.961016	101.924048
K200305	HU0000551940	2353290	2407835.511	102.324167	102.3178
K200312	HU0000551999	3543510	3623604.989	102.279467	102.2603
K200319	HU0000552005	582150	594973.019	102.202725	102.2027
K200326	HU0000552013	609520	622595.532	102.155562	102.1452
K200402	HU0000552021	689380	703772.186	102.0877	102.0877
K200409	HU0000552088	659480	672868.104	102.0301	102.0301
K200416	HU0000552096	532040	542538.913	102.0058	101.9726
K200424	HU0000552104	144070	146817.127	101.906801	101.9068
K200430	HU0000552112	305690	311368.192	101.8575	101.8575
K200507	HU0000552120	237100	241367.8	101.8	101.8
K200514	HU0000552161	338220	344113.484	101.7425	101.7425
K200521	HU0000552179	167400	170221.097	101.716744	101.684667
K200528	HU0000552187	126320	128375.732	101.6274	101.6274
K200604	HU0000552195	89980	91392.596	101.5699	101.5699
K200612	HU0000552203	69280	70322.041	101.504101	101.504101
K200618	HU0000552211	33510	33997.603	101.5044	101.454801

K200625	HU0000552229	25040	25391.809	101.449265	101.397302
K200702	HU0000552237	2760	2796.976	101.339722	101.339694
K200709	HU0000552245	15980	16184.896	101.282203	101.282203
K200716	HU0000552252	75300	76222.199	101.224694	101.224688
K200723	HU0000552260	15450	15630.317	101.167103	101.167099
K200730	HU0000552278	199300	201273.6	100.851367	100.334899
K200806	HU0000552286	17700	17886.352	101.111503	101.052098
K200813	HU0000552294	36620	36984.194	100.997333	100.994499
K200822	HU0000552302	44090	44495.848	100.920498	100.920495
K200827	HU0000552310	15990	16145.167	100.981369	100.879507
K200903	HU0000552328	38070	38382.897	100.821899	100.821899
K200910	HU0000552336	14290	14398.448	100.760102	100.755805
K200917	HU0000552344	6270	6314.316	100.706794	100.706794
K200924	HU0000552351	25100	25261.614	100.645897	100.6425
K201001	HU0000552369	3280	3299.266	100.588862	100.585894
K201008	HU0000552377	16890	16980.226	100.534198	100.534198
K201015	HU0000552385	10490	10540.006	100.476702	100.476702
K201022	HU0000552393	640	642.683	100.419219	100.419219
K201029	HU0000552401	700910	703444.491	100.361624	100.3616
K191218	HU0000551742	90360	92579.433	102.448855	102.438399
K191228	HU0000551759	120350	123226.468	102.378706	102.369
Összesen		15117530	15421799.372		
Kötvény	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
MFB2208/1	HU0000359385	133986000	133800516.959	99.83924	99.333
MFB2311/1	HU0000359138	200000	202796.6	101.3983	101.3983
MFB2406/1	HU0000358700	700000	765920.4	109.4172	109.4172
MPHUF26	HU0000359369	1050000	1054263	100.406	100.406
OTPRF2020A	HU0000345970	18000	20404.8	113.36	113.36
OTPRF2020C	HU0000346663	14000	14758.8	105.42	105.42
OTPRF2021A	HU0000347935	36000	40190.4	111.64	111.64
OTPRF2021B	HU0000348925	29000	29951.2	103.28	103.28
OTPX2020F	HU0000355672	44000	48488	110.2	110.2
PICKNKPKÖT	HU0000359336	4250000	4250654.5	100.0154	100.0154
MFB2110/1	HU0000358478	19000	19554.667	102.9193	102.9193
ALTEO2020I	HU0000357603	25000	26118.325	104.4733	104.4733
DK2020/01	HU0000357132	240000	248313.6	103.464	103.4557
Összesen		140611000	140521931.251		
Törzsrészcvény	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
ANY	HU0000093257	2205	30926.722	1374.520978	1370.20819
APPENINN	HU0000102132	1000	3822.32	382.232	382.232
AUTOWALLIS	HU0000164504	126.25	1014.04	100.4	100.4
CIG_33	HU0000170162	1376.1	7986.796	191.52988	189.92792
CYBERG	HU0000160122	1660	29900.855	1801.256325	1801.256325
DUNAHOUSEA	HU0000135090	100	7799.75	3899.875	3899.75
ELMŰ	HU0000074513	12950	43253	33400	33400
ENEFI	HU0000089198	125	5007.778	400.62224	400.488
EST MEDIA	HU0000151956	141.25254	25932.438	143.19956	137.468599
GSPARK_T_A	HU0000083696	.09386	27914.217	4989.136193	4935.915436
M.TELEKOM	HU0000073507	491301.2	2159527.817	439.552726	435.567671
MASTERPLAS	HU0000093943	450	3358.951	746.433556	746.433556

MOL 125	HU0000153937	734474.625	16899338.8	2876.09303	2837.9354
NUTEX E	HU0000106448	508.104	1469.346	69.403713	64.544311
OPUS	HU0000110226	41762.575	542030.506	324.471435	296.86
OTP BANK.T	HU0000061726	455696.7	68314074.506	14991.127762	14257.742857
OTT-ONE	HU0000149679	1179	16789.593	256.329664	247.9756
RICHTER	HU0000123096	256914.4	15170209.154	5904.771844	5827.084746
RÁBA	HU0000073457	22200	25954.539	1169.123378	1164.1206
SET GROUP	HU0000170246	50	231.354	92.5416	92.5416
TAKJELZ_A	HU0000078175	300	1788.45	596.15	596.15
WABERER'S	HU0000120720	1.6163	5458.651	1182.037895	1177.626667
ZWACK	HU0000074844	357	6296.172	17636.336134	17617.6
4IG	HU0000167788	14708.88	485575.808	660.248514	266.818182
ALTEO 12,5	HU0000155726	11.625	775.674	834.058065	833.585
Összesen		2039599.4217	103816437.237		
Államkötvény	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
A200122H18	HU0000403472	63709.769	65123.616	102.207099	102.194997
A200422H18	HU0000403563	4975057.735	5054579.058	101.5984	101.5984
A200624B14	HU0000402953	8207080	8494528.126	103.498429	103.4832
A200722H18	HU0000403589	598896.174	604746.191	100.976798	100.976795
A200729K17	HU0000403290	14439	14682.937	101.686671	101.670005
A200731H18	HU0000403597	525547.749	531319.054	101.0913	101.069999
A200923C17	HU0000403258	10360	10462.81	100.99605	100.9921
A201022H18	HU0000403621	771433.553	774657.767	100.413004	100.389999
A201112A04	HU0000402235	137126620	147390533.094	107.398375	106.5254
A210122H19	HU0000403654	270696.116	278962.269	103.049637	103.039983
A210421C18	HU0000403464	45057850	45502096.841	100.986006	100.9375
A210422H19	HU0000403712	82491	84351.997	102.256	102.256
A210526J17	HU0000403381	1037573	1060534.381	102.204052	102.18
A210623A15	HU0000402995	2040000	2042453.877	100.133973	100.0967
A210826K18	HU0000403480	3959138	4004695.836	101.150303	101.129998
A211027B16	HU0000403100	8880340	9322670.085	104.802556	100
A220330K19	HU0000403670	1276320	1322773.105	103.632745	103.61
A220624A11	HU0000402524	117553090	141955287.733	120.421984	100
A220824C19	HU0000403704	171121900	175806817.954	103.311151	95.2108
A220921L19	HU0000403738	29895	30174.497	100.93851	100.909998
A221026B17	HU0000403266	38436840	38947162.617	103.496916	95.2108
A230215K19	HU0000403993	15655279	15715460.93	100.403887	100.3799
A230726B18	HU0000403456	8673000	8638013.074	99.599881	99.528
A230928J18	HU0000403498	33633858	33923344.598	100.8555	100.850299
A231124A07	HU0000402383	102008960	123841928.572	121.260413	100
A240221I18	HU0000403647	34183	35422.888	103.6175	103.6
A240626B15	HU0000403068	55962010	61450744.262	110.220846	100
A240925J19	HU0000403746	442668	446978.583	100.951661	100.919993
A241024C18	HU0000403571	410527250	438896935.765	107.185498	99.244811
A250220I19	HU0000404009	2699839	2711872.639	100.445134	100.42
A250624B14	HU0000402748	282353840	356128931.986	125.116068	100
A251126C19	HU0000404058	75945700	75552775.821	99.534121	98.990375
A261222D17	HU0000403340	358835600	401444248.687	112.343006	100
A271027A16	HU0000403118	115326970	127124909.628	111.354172	100
A281022A11	HU0000402532	45639410	65192210.126	141.723135	100

A300821A19	HU0000403696	146512560	164359566.331	112.05889	100
A311022A15	HU0000403001	15974380	18316938.681	116.573425	100
A381027A18	HU0000403555	100148630	106484824.822	106.787447	103.6785
N240611	HU0000403753	24218.028	24222.871	100.019997	100.019995
N240617	HU0000403779	8999.9	9132.099	101.460003	101.45
N240624	HU0000403787	51949.9	52671.712	101.380005	101.36
N240701	HU0000403795	1200	1215.96	101.33	101.33
N240708	HU0000403803	495	501.089	101.230101	101.230101
N240722	HU0000403829	10.856	10.978	101.123803	101.123803
N240729	HU0000403837	492.083	497.171	101.033972	101.033972
N240812	HU0000403852	24977.547	25207.34	100.919998	100.919998
N240821	HU0000403860	28000	28232.4	100.83	100.83
N240826	HU0000403878	10200	10280.58	100.79	100.79
N240916	HU0000403902	1000	1005.865	100.5865	100.5865
N240923	HU0000403910	1522.396	1530.223	100.505148	100.490333
N240930	HU0000403928	3207.075	3220.95	100.432677	100.423333
N241014	HU0000403951	200	200.609	100.3045	100.3045
N241021	HU0000403969	179.556	180	100.247277	100.247277
N241028	HU0000403977	20999.736	21039.635	100.189998	100.189998
N241111	HU0000404017	68.551	68.59	100.028655	100
N241118	HU0000404025	100	99.971	99.971	99.971
N241209	HU0000404066	46632067.072	46632067.072	99.999844	99.998652
Összesen		2359223301.796	2630375106.353		
	ISIN azonosító	Névérték	Vételár	Átlagárfolyam	Minimális
HPB2	HU0000704705	22871.383	41656.694	1.821346	1.813992
HPB3	HU0000704713	215781.044	440122.992	2.039674	2.038265
HRESZVENY	HU0000702022	4987.627	46369.846	9.296975	9.269596
HROVKV	HU0000701685	7967.639	35016.197	4.394802	4.394026
HRUBICON	HU0000707252	14298.887	59218.998	4.141511	4.141511
HSZEF	HU0000701487	6343.676	15274.895	2.407893	2.407767
HTM	HU0000720347	3323.85	2749.26	0.827131	0.820112
HVMB	HU0000717111	76884.062	74978.362	0.975213	0.974431
HVMC	HU0000717129	31.299	31.389	1.002875	1.002875
K&H ARANYK	HU0000702337	149.105	793.436	5.321324	5.320613
K&H FELTÖR	HU0000707328	929.949	1768.622	1.901848	1.890464
K&H INGATP	HU0000702287	550.549	1755.193	3.188078	3.188078
K&H RV.	HU0000702915	12.416	29.849	2.404075	2.404075
K&H UNIÓ	HU0000702360	279.116	400	1.433096	1.433096
K&H VÁL.3.	HU0000703426	582.006	1500	2.577293	2.577293
K&H VÁL.4.	HU0000703434	2524.27	7300.663	2.892188	2.871043
K&H ÁZSIA	HU0000704432	4055.707	8503.994	2.096797	2.078158
K&H ÖKO	HU0000705645	541.105	621.999	1.149498	1.147688
KHALLAMPAP	HU0000712872	1161.689	1258	1.082906	1.082906
KHAMHUF	HU0000701982	649.517	744.999	1.147005	1.146778
KHNAVIIND	HU0000702352	395.237	2128.986	5.386606	5.383902
MARKEBONDC	HU0000719356	2561160.28	2839999.996	1.108872	1.108856
MARKETPBON	HU0000714555	2864.451	3855.921	1.346129	1.34373
MPTHKÖTBA	HU0000702857	870.288	2849.998	3.274776	3.274776
MPTI_A	HU0000713482	153717.843	182107.773	1.184689	1.184629
OMEGA	HU0000717616	148360.532	149643.864	1.00865	1.008308

ORION	HU0000720339	8572.442	8282.359	0.966161	0.964871
PARAPLUSZ	HU0000715255	18898.946	19725.794	1.043751	1.043751
PLATINAPÍA	HU0000704689	5508.277	20533.018	3.727666	3.726129
PLATINAPÍB	HU0000709969	116075.422	446044.136	3.84271	3.838977
PRIZMA	HU0000716410	156917.8	170715.579	1.08793	1.087618
PRÉMIUM A	HU0000716147	16463.232	17115.875	1.039642	1.038986
ROMAN A	HU0000718606	14269.584	19413.377	1.360473	1.354396
ROMAN I	HU0000718622	8562.816	11999.998	1.401408	1.401408
SELECTION	HU0000716436	29482.816	32959.356	1.117918	1.113477
SFSD ALAP	HU0000710876	6500	8991.34	1.383283	1.383283
SKIPPER A	HU0000719315	53540.475	55785.159	1.041925	1.041925
SPARTAN A	HU0000722582	11923.567	12484.305	1.047028	1.036749
SUPERPOSIB	HU0000718986	8806.67	8670.839	0.984576	0.983016
SUPERPOSIC	HU0000718994	245.705	243.828	0.992361	0.991866
SUPERPOSIT	HU0000713243	5864.732	6998.041	1.193241	1.192049
TORONY B	HU0000722764	16972.417	17675.363	1.041417	1.041112
ABACUS	HU0000716402	9234.024	8274.458	0.896084	0.896038
ACC AHK A	HU0000719232	54045.144	56659.094	1.048366	1.047172
ACC CUV A	HU0000721774	116195.14	119128.486	1.025245	1.025245
ACC KER A	HU0000720958	5991.679	6292.095	1.050139	1.041131
ACC.SHARP	HU0000717590	206648.936	206840.134	1.000925	1.000327
AE.ALLEG 8	HU0000714134	6599.805	8090.459	1.225863	1.224217
AE.ALLEG 9	HU0000714142	4447.484	5415.39	1.21763	1.215848
AE.ALLEG10	HU0000714159	11925.469	14748.184	1.236696	1.234324
AE.ANDAN 1	HU0000714068	7559.301	8486.239	1.122622	1.120722
AE.ANDAN2	HU0000714076	5039.008	5746.031	1.14031	1.137623
AE.ANDAN3	HU0000714084	3202.652	3673.89	1.14714	1.145527
AE.MARAT A	HU0000714886	102234.974	114047.127	1.115539	1.11508
AE.MODER 5	HU0000714100	4491.97	5354.994	1.192126	1.190118
AE.MODER 6	HU0000714118	3400.732	4122.439	1.212221	1.209619
AE.MODER 7	HU0000714126	4523.665	5514.136	1.218953	1
AE.MODER4	HU0000714092	8785.625	10367.99	1.180108	1
AE.OROSZ	HU0000707401	76290.625	239433.817	3.138444	3.087768
AE.PANOR A	HU0000714266	33253.69	26703.324	0.803018	0.801957
AE.PREM DY	HU0000716105	53114.378	57833.823	1.088854	1.08758
AE.PREM EV	HU0000716113	138405.063	168687.808	1.218798	1.215885
AE.PREM EX	HU0000716097	221.602	219.614	0.991029	0.991029
AE.TÖRÖK	HU0000707419	20333.613	34196.945	1.681794	1.663895
AEGCREDITA	HU0000709597	16981.36	26491.168	1.560015	1.559697
AEGLENGYB	HU0000710843	6416.395	8353.096	1.301836	1.280078
AEGON BEK	HU0000702493	3955.635	22634.762	5.722156	5.703408
AEGON EMMA	HU0000705256	14424.564	25349.017	1.757351	1.745553
AEGON NKK	HU0000702477	49175.814	102828.519	2.091038	2.082768
AEGON NKR V	HU0000702485	34114.833	58136.061	1.704129	1.692611
AEGON PÉNZ	HU0000702303	37674.219	85801.606	2.277462	2.277358
AEGONALFAA	HU0000703970	247054.055	681359.441	2.757937	2.756575
AEGONALFAR	HU0000712286	1815.572	2488.75	1.37078	1.37078
AEGONCLIMB	HU0000707195	32173.18	42746.76	1.328646	1.321301
AEGONKERVB	HU0000709530	2206.208	13578.442	6.154652	6.154652
AEGONKEURV	HU0000702501	1703.362	9877.727	5.798959	5.768305

AEGONMMEXA	HU0000703145	27579.935	73970.394	2.682037	2.678925
AEGONMMEXR	HU0000712278	6132.906	7466.249	1.217408	1.217408
AEGONNRVI	HU0000712393	15111.094	28288.702	1.872049	1.861497
AEGONSMART	HU0000708169	19127.547	28731.622	1.502107	1.501326
AEGONÁZSIA	HU0000705272	23505.609	41803.702	1.778456	1.770235
AEGONÓZONA	HU0000705157	8757.269	14444.439	1.649423	1.649207
AFORIZMA	HU0000720420	51756.73	63000	1.217233	1.217233
ALLIANZIND	HU0000708375	700	1193.01	1.7043	1.7043
BP.ARANY	HU0000709290	5365.27	4496.902	0.83815	0.8338
BP.ÁLLAMP	HU0000702691	471.499	3999.994	8.483568	8.483568
CIBFEJA	HU0000702584	15857.829	33844.159	2.134224	2.134224
CIBKERA	HU0000702600	11693.789	29863.75	2.553813	2.553813
CITADELLA	HU0000707948	187398.668	414710.554	2.212986	2.20619
CONCITB	HU0000717137	27259.366	29186.343	1.07069	1.064114
DUNA HOUSE	HU0000718788	1000	1307.695	13076.95	13076.95
EXPEDÍCIÓ	HU0000720503	933.809	784.883	0.840518	0.839587
GEN AMAZON	HU0000708797	32215.422	30221.122	0.938095	0.938095
GLOBAL	HU0000716428	13967.449	14863.401	1.064146	1.059628
H2000	HU0000701693	2301.388	19611.469	8.521583	8.50815
H3000	HU0000715180	11676.518	14786.456	1.266341	1.262108
HCOLUMBUS	HU0000705702	161363.358	311293.91	1.929149	1.924995
HFORTEHUF	HU0000716626	20873.735	22511.109	1.078442	1.077258
HHOLD	HU0000710116	31454.001	47262.12	1.502579	1.4987
HIMALÁJA A	HU0000722277	2816.112	2795	0.992503	0.992503
HKEURV	HU0000706163	13627.69	20269.544	1.487379	1.471961
HKOTVENY	HU0000702030	2445.32	9388.712	3.839462	3.829376
HMOLTOFHUF	HU0000716584	33945.079	35547.081	1.047194	1.045866
HMVA	HU0000703749	16509.622	35534.141	2.152329	2.146255
HNEMRV	HU0000702295	16263.276	52558.082	3.231703	3.214432
HPB1	HU0000704697	61559.45	124301.145	2.019205	2.016886
Összesen		2728102839.1617	3103521481.283		
Összesen		5857207.944	8485837.809		

Maximális	Tételszám
Maximális	Tételszám
99.9992	5
100.003299	50
99.993125	3
100.0128	41
100.023306	7
100.0108	17
100.0218	4
100.0439	16
100.000298	2
100.018	12
	157
Maximális	Tételszám
100.0739	53
108.0241	1
101.263	2
	56
Maximális	Tételszám
102.3151	2
102.2671	1
102.2192	2
102.171199	2
102.1233	1
102.075301	2
102.0274	4
101.9795	3
102.3369	3
102.313933	4
102.20275	2
102.176286	3
102.0877	2
102.0301	2
102.0466	4
101.906801	2
101.8575	1
101.8	2
101.742501	2
101.780667	3
101.6274	2
101.5699	1
101.504101	2
101.554	2

101.516364	4
101.33975	2
101.282203	1
101.2247	2
101.167107	2
101.109602	3
101.170909	2
101.003	3
100.9205	2
101.036	3
100.8219	2
100.764399	2
100.706794	1
100.649294	2
100.591829	2
100.534198	1
100.476702	1
100.419219	1
100.361648	2
102.4589	4
102.3904	3
	99
Maximális	Tételszám
100.1868	116
101.3983	1
109.4172	2
100.406	4
113.36	1
105.42	1
111.64	1
103.28	1
110.2	1
100.0154	4
102.9193	1
104.4733	1
103.4723	2
	136
Maximális	Tételszám
1378.2947	3
382.232	1
100.4	1
198.983333	5
1801.256325	1
3900	4
33400	6
400.8236	2
151.183486	13
5028.691796	5
446.070122	145
746.433556	1

2897.705882	320
80.96	4
331.877647	90
15282.889988	508
267.1774	4
6266.25	309
1199.569	8
92.5416	1
596.15	1
1185	4
17672.47191	4
772.985556	49
834.376	5
	1494
Maximális	Tételszám
102.2192	2
101.5984	3
103.5139	8
100.9768	4
101.7	3
101.098401	4
101	2
100.43	8
107.5	17
103.0541	5
101.032385	69
102.256	1
102.2131	4
100.1667	5
101.170003	8
105.0312	27
103.650001	7
121	90
105.049	111
100.96	6
105.3	34
100.43005	36
99.7716	21
100.8607	2
124.0029	40
103.640001	4
113.3324	30
100.98	6
108.592401	91
100.470001	37
128.8294	83
101.5831	84
115.413	123
112.4197	63
146.8911	66

115.2175	156
174.742663	20
124.002067	59
100.019999	2
101.470006	2
101.4	5
101.33	1
101.230101	1
101.123803	1
101.033972	1
100.919998	1
100.83	1
100.79	1
100.5865	1
100.519962	2
100.442	3
100.3045	1
100.247277	1
100.189998	1
100.05731	2
99.971	1
100.000102	19
	1386
Maximális	Tételszám
1.825482	10
2.044879	16
9.32216	14
4.398252	9
4.141514	2
2.408405	4
0.829679	2
0.97555	4
1.002875	1
5.32214	2
1.902182	2
3.188078	1
2.404075	1
1.433096	1
2.577293	1
2.895775	4
2.104459	3
1.153278	2
1.082906	1
1.150169	2
5.389663	2
1.110023	4
1.346415	2
3.274776	1
1.184691	3
1.008687	5

0.968158	3
1.043751	1
3.727753	2
3.844378	22
1.088276	6
1.040481	5
1.362944	7
1.401408	2
1.119218	5
1.383283	1
1.041925	1
1.0689	7
0.985697	4
0.994438	2
1.195616	3
1.041499	3
0.89609	3
1.048627	4
1.025245	2
1.055363	4
1.001985	6
1.228776	7
1.220708	8
1.239522	11
1.122869	6
1.140849	8
1.148924	7
1.116685	20
1.194012	8
1.25	10
1.220692	10
1.181911	8
3.204925	28
0.803885	6
1.09159	8
1.223426	10
0.991029	1
1.692061	19
1.560939	16
1.309163	10
5.738348	12
1.760035	12
2.095357	14
2	17
2.277589	15
2.759396	53
1.37078	1
1.333924	21
6.154652	1
5.829235	9

2.682566	25
1.217408	1
1.872491	2
1.502822	15
1.810515	25
1.649475	4
1.217233	1
1.7043	1
0.8413	3
8.483568	1
2.134224	1
2.553813	1
2.219538	23
1.071104	5
13076.95	1
0.84078	2
0.938095	1
1.064503	3
8.530553	11
1.267494	14
1.938108	25
1.07967	5
1.503111	7
0.992503	1
1.491602	13
3.847376	11
1.048921	3
2.155311	9
3.242945	24
2.023339	19
	4133
	805