

分	秒	点
1	2	3
875,463	342,567	62,198
-150,637	285,016	920,357
-61,472	34,985	-7,430
-95,028	23,417	-485,603
81,906	80,569	-24,781
12,763	97,143	186,953
83,940	48,206	1,892
24,519	51,790	175,064

4	5
2,691	93,875
4,380	54,394
427,105	126,547
130,729	1,203
973,546	140,586
61,825	316,870
85,046	9,027
897,253	862,791

6	7	8	9	10
69,370	31,754	256,170	36,124	974,213
984,157	98,467	782,946	47,953	-7,680
7,046	-70,814	437,689	451,027	8,453
315,789	21,045	53,108	98,635	-72,501
743,902	639,280	20,863	29,108	53,069
531,264	-156,849	145,027	360,784	-712,856
80,925	-72,305	4,972	25,897	246,913
8,162	23,679	1,539	68,710	460,589

11	12	13	14	15
19,035	845,632	90,546	2,760	623,406
685,902	-760,895	14,708	4,582	5,321
40,387	3,740	649,381	947,051	496,258
57,946	-17,503	-87,023	395,172	70,169
32,185	879,162	-132,657	19,408	89,714
973,421	94,051	85,274	260,983	2,450
61,850	231,946	-63,985	612,347	758,013
34,726	-6,284	21,790	36,854	287,391

771,454	963,693	828,650	2,582,575	1,605,293
2,740,615	514,257	1,702,314	1,118,238	950,200
1,905,452	1,269,849	578,034	2,279,157	2,332,722

分	秒	点
1	2	3
941,632	36,158	5,418
-267,143	8,460	873,025
90,875	51,237	69,301
-1,569	739,184	6,830
-13,480	5,902	581,946
6,057	196,074	237,495
582,364	570,426	20,746
728,409	682,319	649,271

4	5
74,892	546,728
547,109	213,850
-263,940	34,579
-98,537	79,431
56,824	20,867
10,675	78,016
-31,027	94,302
13,268	51,689

6	7	8	9	10
932,578	364,289	75,130	94,380	81,926
391,604	786,102	914,845	459,107	58,379
-7,162	5,694	51,498	327,915	532,047
68,749	9,372	60,372	784,592	79,162
480,267	43,065	-79,263	8,763	964,821
2,035	257,681	-126,308	160,875	43,508
-23,651	10,453	-92,076	3,024	62,410
-594,810	948,710	26,854	61,692	30,758

11	12	13	14	15
80,362	560,273	721,694	760,519	90,748
619,840	2,849	4,873	934,258	61,590
962,754	3,125	-30,451	61,780	853,269
237,581	315,790	-2,960	14,867	-25,814
458,063	427,831	-263,158	42,076	74,326
1,705	84,693	957,203	23,791	-391,047
4,971	65,907	91,386	59,324	-26,573
97,238	184,065	586,047	85,603	19,802

2,067,145	2,289,760	2,444,032	309,264	1,119,462
1,249,610	2,425,366	831,052	1,900,348	1,853,011
2,462,514	1,644,533	2,064,634	1,982,218	656,301

分	秒	点
1	2	3
510,398	8,021	74,283
-63,824	56,243	65,390
1,970	12,560	540,628
985,607	487,651	98,041
-4,762	378,409	-273,956
-648,031	214,793	-32,761
29,547	9,376	-83,104
251,983	950,487	51,729

4	5
4,570	817,246
293,845	71,053
315,086	38,690
491,265	953,418
683,701	80,574
27,398	42,795
70,169	93,286
1,724	26,104

6	7	8	9	10
1,506	3,980	470,381	786,213	28,415
837,945	864,397	-354,610	-51,739	190,637
76,153	456,129	-86,925	192,056	943,872
485,690	873,201	-23,089	38,524	15,609
698,724	512,637	12,736	-6,805	86,724
273,415	30,259	48,527	624,971	69,230
4,082	15,074	97,801	7,490	71,548
10,329	4,862	39,654	-340,978	37,052

11	12	13	14	15
215,439	18,965	93,478	435,816	560,837
70,215	276,081	61,893	-2,397	83,271
28,170	30,978	-54,072	183,975	241,596
649,053	59,784	239,480	-68,402	7,043
964,578	934,650	10,926	1,520	94,802
378,106	43,512	-54,607	74,935	163,789
6,948	91,627	87,514	-210,687	954,371
3,725	63,204	-315,267	146,079	5,620

1,062,888	2,117,540	440,250	1,887,758	2,123,166
2,387,844	2,760,539	204,475	1,249,732	1,443,087
2,316,234	1,518,801	69,345	560,839	2,111,329

分

秒

点

1	2	3	4	5
71,085	39,564	63,580	6,295	80,952
-36,924	320,618	546,917	970,342	95,173
43,819	5,397	614,809	684,513	54,689
84,206	983,062	7,256	-526,039	379,425
965,120	216,874	30,672	398,724	42,061
-27,649	7,601	489,017	51,678	34,680
78,395	854,739	738,592	-3,180	16,807
-140,753	41,250	2,143	-72,401	751,243

6	7	8	9	10
98,427	864,735	648,312	61,239	67,354
40,583	25,046	164,589	39,651	56,281
-135,079	72,108	49,650	4,708	45,932
92,631	218,693	-5,102	231,476	19,870
248,796	640,715	517,083	157,840	672,041
-73,910	453,981	-230,867	5,982	94,675
12,756	9,372	7,985	960,357	20,384
-64,805	6,590	-23,794	482,013	138,509

11	12	13	14	15
697,032	52,390	86,154	51,960	735,164
479,251	-35,274	123,980	45,327	9,302
-81,936	27,948	769,352	529,786	8,073
-5,208	-10,869	910,426	83,024	467,250
-634,572	483,157	278,064	12,506	624,513
43,680	96,083	7,403	463,178	35,198
760,814	41,706	51,749	90,813	729,864
9,451	-216,543	2,385	78,694	80,419

1,037,299	2,469,105	2,492,986	1,509,932	1,455,030
219,399	2,291,240	1,127,856	1,943,266	1,115,046
1,268,512	438,598	2,229,513	1,355,288	2,689,783

分	秒	点
1	2	3
286,541	150,849	8,097
75,918	72,903	826,301
826,149	47,652	268,143
30,762	413,825	47,632
241,583	728,930	154,879
615,290	4,368	-480,295
3,407	6,719	-95,720
7,039	819,056	-1,365

4	5
60,759	20,618
725,641	45,937
16,207	953,701
-43,082	16,472
-514,963	79,523
78,410	642,830
93,854	86,953
-35,928	91,084

6	7	8	9	10
764,509	125,468	41,720	485,932	567,902
30,746	42,583	458,291	759,619	1,248
281,367	739,105	-70,869	-73,120	175,389
67,182	8,790	37,052	465,798	84,915
12,430	279,638	-129,536	8,406	960,843
48,059	360,954	83,462	-5,062	53,672
95,283	6,019	-69,384	-530,127	674,021
59,871	81,274	15,607	16,843	5,390

11	12	13	14	15
687,209	69,724	6,735	53,249	6,490
350,174	-36,057	85,263	71,836	573,064
567,289	495,281	418,309	35,968	-120,649
52,361	24,309	952,047	174,395	231,786
7,439	-293,618	37,428	63,207	89,132
1,043	-12,357	290,815	210,784	-1,578
18,650	60,518	761,984	56,140	-52,703
894,762	47,680	3,610	92,058	978,514

2,086,689	2,244,302	727,672	380,898	1,937,118
1,359,447	1,643,831	366,343	1,128,289	2,523,380
2,578,927	355,480	2,556,191	757,637	1,704,056

分	秒	点
1	2	3
516,380	257,413	872,165
24,739	-179,265	39,481
18,627	951,834	8,703
-60,158	-4,376	745,230
91,364	-65,908	7,846
65,098	90,781	71,629
-42,709	6,032	650,493
-378,542	468,520	195,042

4	5
2,146	187,053
70,513	28,470
584,036	60,832
239,615	96,451
46,389	219,806
829,107	57,983
458,761	41,269
7,920	34,675

6	7	8	9	10
139,762	24,963	82,061	431,652	84,510
4,920	52,049	53,407	-50,198	30,954
20,416	897,316	698,572	-8,709	658,429
89,354	10,875	30,985	514,823	461,297
376,085	-635,921	19,540	3,267	7,062
865,107	-47,610	361,859	-687,530	1,703
7,891	-39,278	84,127	91,046	253,816
526,439	45,801	46,273	952,487	879,623

11	12	13	14	15
619,503	792,485	436,801	43,870	865,429
62,458	3,041	-61,942	34,251	729,641
14,395	85,723	524,167	50,436	6,580
90,187	178,256	-9,520	21,794	890,715
-487,961	62,598	5,834	615,389	341,869
-26,074	7,430	-219,687	978,032	32,048
-83,720	980,614	37,059	87,605	5,273
35,269	316,209	940,738	65,219	13,705

234,799	1,525,031	2,590,589	2,238,487	726,539
2,029,974	308,195	1,376,824	1,246,838	2,377,394
224,057	2,426,356	1,653,450	1,896,596	2,885,260

分	秒	点
1	2	3
195,837	82,469	27,514
24,315	98,031	986,032
650,891	47,685	598,301
534,026	36,219	-46,975
47,938	-40,635	-138,624
823,749	382,597	-5,182
6,207	-159,720	8,470
1,760	-74,103	650,793

4	5
832,940	10,493
154,807	76,045
572,419	23,678
10,768	135,726
1,035	984,213
93,162	98,301
329,684	49,675
6,527	85,720

6	7	8	9	10
982,065	35,810	36,792	983,145	514,783
-90,724	796,051	48,136	-2,467	230,694
61,485	263,784	395,872	475,281	59,048
-35,702	90,326	34,516	40,598	582,107
-843,157	4,251	82,307	296,850	321,860
14,230	257,489	217,540	-379,608	46,597
79,684	2,934	70,694	1,273	3,925
26,193	189,607	51,089	-39,016	1,476

11	12	13	14	15
20,876	391,625	819,432	463,528	325,684
75,189	10,834	-4,079	1,762	6,752
-46,527	42,690	-25,680	156,089	71,430
964,812	34,215	643,801	385,907	153,687
-619,538	69,087	-219,378	27,450	216,098
-93,240	78,394	432,597	10,523	327,964
78,301	95,701	50,136	692,348	90,148
53,047	267,548	6,715	4,197	8,509

2,284,723	372,543	2,080,329	2,001,342	1,463,851
194,074	1,640,252	936,946	1,376,056	1,760,490
432,920	990,094	1,703,544	1,741,804	1,200,272

分	秒	点
1	2	3
781,354	891,602	532,148
35,190	123,576	950,817
68,043	6,251	271,036
12,467	4,573	-629,805
20,359	69,087	-78,396
54,872	90,432	-2,410
895,206	384,729	45,729
37,961	548,910	4,683

4	5
721,508	73,980
8,960	954,617
53,174	20,579
834,026	-74,398
92,481	12,046
346,519	-28,351
250,867	-631,728
7,319	95,406

6	7	8	9	10
924,387	94,852	32,508	15,046	53,809
610,972	12,596	724,361	80,379	691,538
-69,081	374,210	-659,143	68,503	10,943
498,752	735,824	60,485	41,825	2,487
86,315	1,065	-92,718	539,612	4,726
-5,640	7,609	-63,097	874,920	827,035
7,403	670,348	34,172	57,218	265,814
-183,275	289,173	87,950	39,764	729,160

11	12	13	14	15
7,096	314,208	21,806	270,849	96,521
359,250	3,847	790,463	486,305	23,906
518,706	125,470	39,150	-139,658	71,084
897,412	69,325	-83,974	-92,563	45,168
14,769	795,841	-152,846	274,039	50,732
140,283	6,098	19,352	15,648	534,279
36,845	569,712	74,095	1,724	13,840
9,213	30,689	-82,647	-6,170	982,167

1,905,452	2,119,160	1,093,802	2,314,854	422,151
1,869,833	2,185,677	124,518	1,717,267	2,585,512
1,983,574	1,915,190	625,399	810,174	1,817,697

分	秒	点
1	2	3
1,059	36,870	165,478
80,965	483,597	8,106
867,241	28,364	1,754
135,479	412,605	128,693
59,823	58,921	465,380
423,760	70,196	742,039
4,537	81,725	93,265
728,601	14,039	20,897

4	5
69,178	75,396
95,830	-3,014
961,243	2,560
-58,507	618,259
-827,061	-470,513
40,215	842,637
29,346	618,209
-74,923	-94,782

6	7	8	9	10
539,174	94,570	240,371	487,035	6,054
78,640	40,752	5,147	-65,701	8,702
4,932	685,917	598,320	59,128	871,695
928,605	39,268	51,736	83,514	495,371
-1,827	273,149	9,063	-125,369	83,129
-80,251	21,683	82,675	32,847	20,348
-756,329	76,401	164,983	40,296	295,760
143,096	58,039	892,406	-96,780	163,547

11	12	13	14	15
9,387	436,810	690,854	385,602	52,731
536,120	-64,128	359,127	19,346	3,679
5,047	50,672	5,091	60,459	86,407
784,931	-98,417	-83,216	27,180	167,234
72,613	15,306	-236,784	42,918	654,780
380,426	24,791	-8,479	693,047	5,318
58,912	53,069	417,930	37,581	480,952
497,506	-375,928	62,105	41,275	919,023

2,301,465	1,186,317	1,625,612	235,321	1,588,752
856,040	1,289,779	2,044,701	414,970	1,944,606
2,344,942	42,175	1,206,628	1,307,408	2,370,124

分	秒	点
1	2	3
40,915	4,617	914,537
624,837	69,204	876,014
72,948	3,041	-190,856
67,320	75,180	2,390
48,035	648,523	35,426
381,579	392,916	-74,209
19,326	720,589	598,163
65,104	817,235	-7,682

4	5
84,759	264,501
49,062	428,713
-57,236	91,850
763,940	2,039
28,619	3,498
10,875	27,685
-53,401	736,194
-312,698	850,367

6	7	8	9	10
91,256	12,570	13,289	983,405	735,804
36,178	64,705	397,165	-4,528	4,697
928,613	46,019	431,649	728,164	8,024
-461,530	30,128	850,764	-97,846	82,539
89,756	12,839	2,907	1,039	150,673
-40,197	927,386	64,815	12,967	894,716
-73,402	56,847	5,082	420,135	623,190
28,045	538,964	248,370	-637,250	41,256

11	12	13	14	15
43,628	82,051	57,210	213,457	520,761
79,013	693,178	14,962	71,980	489,106
617,859	819,542	342,578	490,263	134,087
-528,490	40,879	35,704	38,596	-48,712
-54,739	3,586	96,481	2,408	-386,597
60,274	5,412	61,093	687,532	2,840
-53,196	563,760	678,154	946,017	23,596
82,401	394,207	80,329	5,149	-1,359

1,320,064	2,731,305	2,153,783	513,920	2,404,847
598,719	1,689,458	2,014,041	1,406,086	2,540,899
246,750	2,602,615	1,366,511	2,455,402	733,722