

分	秒	点		
1	2	3	4	5
685,097	3,957	26,058	35,027	54,703
4,380	916,342	65,204	26,710	1,395
-6,158	860,721	24,783	73,469	298,670
5,702	357,496	-12,910	96,158	670,416
-19,524	2,840	-30,457	10,483	127,894
-391,842	71,685	89,361	28,704	18,952
24,376	38,052	47,698	54,192	3,026
170,639	9,104	-51,739	68,359	5,348

6	7	8	9	10
70,851	890,751	21,549	45,130	41,580
294,386	714,326	673,802	67,041	63,914
127,635	6,780	6,973	-76,298	42,058
4,093	4,512	-30,628	18,523	20,375
8,970	598,209	-5,810	39,758	53,897
985,421	9,436	8,041	94,125	19,628
13,706	83,025	934,257	-23,607	71,406
2,564	41,367	-719,465	-90,864	27,369

11	12	13	14	15
47,016	39,752	48,023	9,356	73,950
9,748	15,298	1,490	5,473	30,184
3,591	23,470	7,132	490,826	-16,308
6,420	36,504	975,368	28,641	42,596
372,906	84,719	857,604	72,908	-69,825
280,581	46,238	-6,319	4,017	74,231
52,963	61,089	-460,852	168,953	-58,927
438,175	10,675	-12,597	275,130	47,061

472,670	2,260,197	157,998	393,102	1,180,404
1,507,626	2,348,406	888,719	73,808	340,227
1,211,400	317,745	1,409,849	1,055,304	122,962

分

秒

点

1	2	3	4	5
5,913	9,280	895,762	10,863	91,430
396,084	40,957	-4,309	21,534	25,916
18,647	493,621	-27,416	87,045	54,608
50,271	176,485	8,047	69,420	32,847
9,382	61,032	90,531	-53,974	10,563
754,820	8,706	963,174	75,612	46,075
679,402	4,953	5,283	-18,239	28,719
1,536	852,317	-286,510	-76,908	32,897

6	7	8	9	10
82,170	72,854	8,604	26,905	8,014
57,523	924,736	9,360	87,532	810,926
-31,498	-37,645	654,071	54,078	681,794
26,109	8,913	532,498	71,643	25,936
40,836	162,048	86,942	92,180	7,350
-59,047	-680,372	70,581	43,629	3,725
65,439	-5,190	913,752	50,781	34,107
-18,762	1,509	2,173	19,364	529,648

11	12	13	14	15
53,628	416,028	183,547	3,284	96,325
49,712	970,145	720,836	84,510	81,947
96,831	97,536	5,782	537,296	-28,674
51,304	8,395	14,650	-260,178	-62,045
20,976	34,682	8,539	1,059	27,590
85,049	628,537	93,214	-16,743	-13,708
72,831	7,410	6,901	639,402	58,419
67,450	1,902	274,069	-8,597	30,631

1,916,055	1,647,351	1,644,562	115,353	323,055
162,770	446,853	2,277,981	446,112	2,101,500
497,781	2,164,635	1,307,538	980,033	190,485

分	秒	点
1	2	3
463,981	15,209	976,431
-40,239	60,471	8,659
2,708	59,317	30,845
7,054	84,026	217,598
-4,560	37,190	59,024
21,873	86,347	2,701
-275,169	42,859	637,280
398,615	26,583	4,163
4	5	
3,160	50,371	
4,895	28,160	
20,376	72,094	
67,845	-13,549	
415,306	96,371	
9,052	62,805	
897,124	-89,254	
129,738	-47,638	

6	7	8	9	10
263,408	20,958	687,041	61,804	292,361
84,371	79,302	-63,598	35,671	83,514
5,284	86,271	-240,685	10,397	79,230
3,710	13,584	7,852	93,428	850,796
17,923	35,146	1,407	-74,295	528,064
750,869	74,893	-2,379	-57,480	6,401
1,956	42,670	39,124	-16,329	7,983
546,029	65,019	196,350	82,056	5,714

11	12	13	14	15
978,623	71,385	90,835	793,508	875,691
-159,036	87,643	75,189	132,076	327,059
7,495	38,097	51,470	40,518	9,780
-2,384	-16,972	36,054	1,239	62,514
714,850	45,129	69,472	5,340	6,291
6,213	-50,986	23,608	62,981	4,308
20,576	-41,302	19,742	8,764	80,643
-49,801	64,520	28,361	965,247	142,735

574,263	412,002	1,936,701	1,547,496	159,360
1,673,550	417,843	625,112	135,252	1,854,063
1,516,536	197,514	394,731	2,009,673	1,509,021

分	秒	点
1	2	3
4	5	
1,604	8,267	98,135
453,872	962,384	54,013
40,168	-1,052	-72,691
92,657	86,790	63,948
7,390	-31,954	-20,853
8,931	2,805	-47,296
596,023	-643,157	76,504
415,287	310,479	12,780

6	7	8	9	10
625,107	5,284	30,276	84,625	634,918
8,943	2,470	56,428	60,832	975,421
210,538	7,398	45,103	76,589	-340,582
2,450	652,719	93,564	-27,410	6,150
368,019	167,048	78,310	35,109	-3,508
75,148	30,826	46,971	-76,048	-29,074
7,639	94,531	57,829	91,573	1,726
96,274	531,609	81,092	-43,291	78,693

11	12	13	14	15
821,659	70,492	4,859	75,140	30,912
135,794	1,083	41,698	10,392	-21,506
-1,807	5,849	32,785	24,685	53,790
70,462	69,528	6,203	51,906	97,358
-82,035	143,760	3,017	27,053	46,812
-679,248	9,107	740,169	49,386	12,746
4,513	785,236	815,427	96,478	-83,094
6,390	256,314	652,390	82,731	-47,658

1,615,932	694,562	164,540	1,996,983	347,544
1,394,118	1,491,885	489,573	201,979	1,323,744
275,728	1,341,369	2,296,548	417,771	89,360

分

秒

点

1	2	3	4	5
283,164	9,612	38,491	682,159	16,978
4,510	546,873	76,049	710,892	35,286
7,602	419,536	62,803	43,271	92,037
50,498	7,895	50,724	4,750	-34,509
594,876	-380,217	19,453	853,964	50,814
3,297	-2,450	56,287	7,096	-12,730
76,321	-21,803	83,195	56,823	-76,154
318,095	76,049	61,720	1,304	89,642

6	7	8	9	10
7,925	651,847	61,345	95,148	10,632
548,016	482,706	93,256	9,716	65,381
89,643	8,075	-82,405	7,309	37,402
-20,836	3,629	60,217	583,076	78,549
5,107	50,213	-36,748	420,731	92,463
-4,790	97,431	13,089	4,562	65,078
931,285	9,180	-89,570	841,259	54,719
-263,174	325,469	42,197	83,620	82,190

11	12	13	14	15
31,580	89,165	91,082	96,520	50,261
3,026	73,290	459,761	87,615	1,439
5,349	52,184	6,430	32,174	365,184
20,978	-34,862	64,927	90,461	2,360
647,509	20,713	578,302	43,809	-276,948
285,461	-16,098	3,851	79,623	-98,703
791,348	-74,506	1,678	25,084	-7,895
6,217	93,457	340,259	38,715	142,057

1,338,363	655,495	448,722	2,360,259	161,364
1,293,176	1,628,550	61,381	2,045,421	486,414
1,791,468	203,343	1,546,290	494,001	177,755

分

秒

点

1	2	3	4	5
75,093	42,836	10,245	436,219	84,573
150,924	96,140	198,402	9,802	29,451
4,239	25,478	734,851	48,917	60,813
961,780	41,087	9,583	861,723	87,604
8,306	53,892	3,761	-80,536	52,740
687,235	-19,763	6,932	-5,670	39,025
16,457	-60,259	52,670	4,095	61,397
2,814	-75,301	967,084	-157,342	16,289

6	7	8	9	10
65,483	896,703	715,923	67,340	60,587
14,092	-568,327	28,417	56,179	618,034
53,760	6,172	1,203	75,034	9,803
98,105	380,714	6,754	-62,809	985,620
80,946	2,950	7,329	-39,725	521,473
46,217	-54,041	69,048	-58,261	4,957
39,872	-5,296	190,865	81,493	7,261
51,237	39,418	534,680	40,281	12,349

11	12	13	14	15
94,275	756,043	53,170	32,745	86,723
-30,628	614,587	91,348	7,906	19,578
472,351	80,635	63,201	3,178	27,654
-8,639	1,908	42,687	845,613	85,069
947,160	2,413	27,954	91,082	74,320
-181,075	9,267	-85,069	120,869	90,142
9,803	183,972	-27,836	259,340	54,931
2,456	95,420	-90,451	4,567	31,806

1,906,848	104,110	1,983,528	1,117,208	431,892
449,712	698,293	1,554,219	159,532	2,220,084
1,305,703	1,744,245	75,004	1,365,300	470,223

分	秒	点
1	2	3
46,920	420,135	28,034
50,268	2,468	64,193
75,193	9,710	-17,829
13,572	-76,389	-36,950
37,094	-153,876	85,416
63,485	12,095	47,609
16,742	-4,203	-50,782
89,801	847,659	12,573
4	5	
3,097	17,354	
952,170	721,435	
430,689	6,890	
6,845	8,629	
37,502	62,043	
42,681	578,694	
4,158	280,319	
169,723	5,701	

6	7	8	9	10
95,643	690,534	13,907	13,782	98,520
9,874	2,691	-1,423	80,257	-61,489
50,387	17,285	936,248	68,490	40,357
172,809	9,703	-768,935	34,809	38,672
6,135	95,064	2,710	57,936	57,021
827,650	8,126	541,076	16,342	-19,834
491,326	234,870	6,859	65,127	23,106
4,012	875,341	-40,582	94,015	-46,975

11	12	13	14	15
18,702	5,924	713,594	54,839	82,315
47,629	760,392	20,843	27,196	47,820
950,136	46,058	8,594	71,608	58,476
3,078	3,170	-294,056	30,574	26,951
742,810	67,485	7,105	-46,719	74,108
683,592	321,908	-2,736	85,062	13,795
6,453	274,615	639,187	-38,250	39,046
4,915	3,891	-81,260	-19,342	20,639

393,075	1,057,599	132,264	1,646,865	1,681,065
1,657,836	1,933,614	689,860	430,758	129,378
2,457,315	1,483,443	1,011,271	164,968	363,150

分

秒

点

1	2	3	4	5
618,590	98,751	39,542	127,306	595,263
42,932	32,516	91,867	60,928	40,792
3,854	-21,604	69,241	-54,267	467,381
7,201	-47,350	85,379	-5,139	1,076
1,678	-39,418	47,028	6,451	18,950
78,026	64,873	28,410	831,024	4,283
930,754	50,297	51,603	8,790	6,145
394,165	82,069	70,356	-475,983	273,809

6	7	8	9	10
76,503	76,540	1,963	9,251	15,096
98,427	-41,803	618,250	240,386	438,950
25,890	20,269	-5,637	768,532	975,836
49,632	79,058	34,072	34,089	3,169
80,176	31,782	-10,298	92,517	2,406
13,745	98,264	7,149	1,708	280,147
52,061	-14,357	-542,803	439,670	24,873
81,394	-65,139	895,647	6,514	1,257

11	12	13	14	15
6,561	37,015	80,932	485,673	51,948
8,479	93,167	-29,561	-31,920	94,617
90,825	72,584	47,156	613,298	8,503
1,702	80,256	15,074	-157,804	821,475
46,390	46,192	-73,802	8,159	362,968
932,075	24,968	92,683	50,472	130,794
421,738	51,403	-54,897	6,034	7,320
158,643	98,730	61,340	-7,926	2,056

2,077,200	220,134	483,426	499,110	1,407,699
477,828	184,614	998,343	1,592,667	1,741,734
1,666,413	504,315	138,925	965,986	1,479,681

分

秒

点

1	2	3	4	5
24,956	130,285	2,539	74,832	37,564
95,172	74,320	3,714	280,453	93,140
-13,068	5,697	6,487	-61,940	60,782
37,402	623,109	14,692	2,109	85,017
-93,687	59,084	786,520	5,876	18,903
-46,510	4,316	98,105	573,291	76,298
51,248	762,854	473,018	-9,064	62,514
70,389	1,978	590,362	-135,786	23,459

6	7	8	9	10
29,750	520,384	76,540	5,312	85,061
6,971	84,165	58,061	56,429	93,250
-4,386	3,957	92,485	3,674	10,794
982,541	248,169	-37,958	71,398	73,426
730,456	9,026	20,193	897,035	12,534
-61,837	8,710	-49,672	610,489	87,109
2,108	36,279	38,107	2,160	28,645
-495,023	453,701	-64,231	254,708	69,873

11	12	13	14	15
760,594	52,948	456,713	35,184	42,079
9,642	970,416	47,592	92,560	91,824
96,017	521,073	175,946	56,271	69,153
1,325	4,597	9,683	73,608	-76,405
195,283	6,230	80,921	21,974	-80,261
7,801	-3,685	2,104	80,395	15,372
482,360	-239,108	3,820	18,043	73,680
54,783	-47,861	835,067	64,927	-35,894

125,902	1,661,643	1,975,437	729,771	457,677
1,190,580	1,364,391	133,525	1,901,205	460,692
1,607,805	1,264,610	1,611,846	442,962	99,548

分	秒	点
1	2	3
478,506	93,652	53,627
40,781	-48,231	92,874
2,917	-16,849	51,203
5,836	25,410	37,159
-3,692	10,987	40,375
-21,360	87,065	89,426
819,245	-42,637	98,160
-594,037	59,703	64,018
4	5	
6,839	746,013	
1,570	90,357	
60,142	78,206	
5,267	7,891	
213,048	5,624	
528,794	2,483	
914,805	154,960	
37,396	231,859	

6	7	8	9	10
79,810	1,458	6,589	87,456	5,348
97,523	82,530	4,156	53,028	951,204
38,046	873,214	962,307	29,874	616,390
-80,962	4,902	17,285	32,960	3,867
64,201	180,629	294,870	10,395	58,041
-18,354	-7,063	39,017	96,714	2,789
-52,697	-365,975	620,143	58,132	760,132
41,735	-76,149	5,834	41,607	27,954

11	12	13	14	15
4,950	18,956	1,028	56,072	856,023
6,189	51,429	20,574	-49,608	-1,497
720,498	64,150	94,306	13,920	763,514
438,625	92,817	689,731	62,381	-292,460
1,376	79,382	174,865	23,759	39,851
59,821	20,743	5,192	-40,138	-80,972
63,074	83,607	3,940	87,465	5,613
571,203	34,065	268,573	-19,547	4,708

728,196	169,100	526,842	1,767,861	1,317,393
169,302	693,546	1,950,201	410,166	2,425,725
1,865,736	445,149	1,258,209	134,304	1,294,780