

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
16.5.2021 6:00	17.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
17.5.2021 6:00	18.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
18.5.2021 6:00	19.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
19.5.2021 6:00	20.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
20.5.2021 6:00	21.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
21.5.2021 6:00	22.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
22.5.2021 6:00	23.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
23.5.2021 6:00	24.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
24.5.2021 6:00	25.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
25.5.2021 6:00	26.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
26.5.2021 6:00	27.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
27.5.2021 6:00	28.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
28.5.2021 6:00	29.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
29.5.2021 6:00	30.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
30.5.2021 6:00	31.5.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
31.5.2021 6:00	1.6.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
16.5.2021 6:00	17.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
17.5.2021 6:00	18.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
18.5.2021 6:00	19.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
19.5.2021 6:00	20.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
20.5.2021 6:00	21.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
21.5.2021 6:00	22.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
22.5.2021 6:00	23.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
23.5.2021 6:00	24.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
24.5.2021 6:00	25.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
25.5.2021 6:00	26.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
26.5.2021 6:00	27.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
27.5.2021 6:00	28.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
28.5.2021 6:00	29.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
29.5.2021 6:00	30.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
30.5.2021 6:00	31.5.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
31.5.2021 6:00	1.6.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
16.5.2021 6:00	17.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
17.5.2021 6:00	18.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
18.5.2021 6:00	19.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
19.5.2021 6:00	20.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
20.5.2021 6:00	21.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
21.5.2021 6:00	22.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
22.5.2021 6:00	23.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
23.5.2021 6:00	24.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
24.5.2021 6:00	25.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
25.5.2021 6:00	26.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
26.5.2021 6:00	27.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
27.5.2021 6:00	28.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
28.5.2021 6:00	29.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
29.5.2021 6:00	30.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
30.5.2021 6:00	31.5.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
31.5.2021 6:00	1.6.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak

Kromatografska analiza plina za izlaz iz transportnog sustava Zaprešić - 6 bara - Zaprešić, je identična sa izlazom Zapad - 6 bara - Zagreb, a iz razloga jer obadva izlaza iz transportnog sustava preuzimaju plin iz istog plinovoda.  
Podaci preuzeti sa web stranice transportnog operatora Plinacro.

Zadnja izmjena	N2 (mol %)	CO2 (mol %)	C1 (mol %)	C2 (mol %)	C3 (mol %)	C3+ (mol %)	n-C4 (mol %)	i-C4 (mol %)	n-C5 (mol %)	i-C5 (mol %)	neo-C5 (mol %)	C6 (mol %)	C6+ (mol %)	C7 (mol %)
1.6.2021 8:27	0,452	0	96,915	2,272	0,173	0,361	0,142	0,043	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,508	0	96,898	2,236	0,169	0,359	0,144	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,513	0	96,898	2,233	0,168	0,357	0,144	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,48	0	96,921	2,24	0,169	0,358	0,145	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,458	0	96,945	2,243	0,166	0,353	0,144	0,04	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,424	0	96,964	2,255	0,168	0,357	0,145	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,361	0	97,004	2,275	0,169	0,361	0,146	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,357	0	96,999	2,282	0,17	0,362	0,147	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,335	0	97,009	2,291	0,171	0,364	0,148	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,331	0	97,005	2,299	0,171	0,365	0,149	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,314	0	97,014	2,305	0,172	0,366	0,149	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,291	0	97,025	2,317	0,172	0,367	0,15	0,041	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,29	0	97,047	2,305	0,167	0,358	0,147	0,04	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,265	0	97,058	2,316	0,168	0,36	0,148	0,04	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,24	0	97,067	2,331	0,169	0,362	0,149	0,04	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,217	0	97,071	2,347	0,17	0,364	0,15	0,04	0,001	0,003	0	-	0	-
1.6.2021 8:27	0,49	0,115	96,497	2,431	0,265	0,468	0,135	0,054	0,003	0,007	0	-	0,004	-
1.6.2021 8:27	0,509	0,015	96,846	2,256	0,182	0,374	0,144	0,043	0,001	0,004	0	-	0	-
1.6.2021 8:27	0,601	0,185	96,253	2,443	0,314	0,518	0,127	0,056	0,005	0,009	0,001	-	0,007	-
1.6.2021 8:27	0,526	0,075	96,654	2,322	0,226	0,423	0,139	0,047	0,002	0,006	0	-	0,003	-
1.6.2021 8:27	0,563	0,163	96,35	2,42	0,298	0,504	0,134	0,053	0,005	0,008	0	-	0,006	-
1.6.2021 8:27	0,459	0,038	96,82	2,289	0,2	0,395	0,144	0,044	0,002	0,005	0	-	0,001	-
1.6.2021 8:27	0,408	0,053	96,804	2,325	0,213	0,41	0,144	0,045	0,002	0,005	0	-	0,002	-
1.6.2021 8:27	0,399	0,05	96,81	2,332	0,212	0,41	0,144	0,045	0,002	0,005	0	-	0,002	-
1.6.2021 8:27	0,34	0,001	97,005	2,288	0,172	0,366	0,148	0,041	0,001	0,004	0	-	0	-
1.6.2021 8:27	0,331	0	97,007	2,295	0,171	0,366	0,149	0,041	0,001	0,004	0	-	0	-
1.6.2021 8:27	0,319	0,001	97,015	2,298	0,172	0,368	0,15	0,041	0,001	0,004	0	-	0	-
1.6.2021 8:27	0,508	0,274	96,017	2,604	0,379	0,598	0,122	0,064	0,008	0,012	0,001	-	0,012	-
1.6.2021 8:27	0,531	0,301	95,849	2,666	0,419	0,654	0,13	0,068	0,01	0,013	0,001	-	0,014	-
1.6.2021 8:27	0,463	0,243	96,105	2,608	0,367	0,581	0,121	0,063	0,007	0,011	0,001	-	0,011	-
1.6.2021 8:27	0,427	0,216	96,218	2,585	0,349	0,554	0,118	0,061	0,006	0,01	0,001	-	0,009	-
1.6.2021 8:27	0,225	0,005	97,053	2,347	0,175	0,37	0,15	0,041	0,001	0,004	0	-	0	-
1.6.2021 8:27	0,428	0	96,947	2,284	0,179	0,341	0,113	0,044	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,5	0	96,937	2,229	0,172	0,334	0,116	0,041	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,512	0	96,937	2,221	0,17	0,33	0,115	0,041	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,479	0	96,961	2,229	0,171	0,332	0,116	0,041	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,465	0	96,973	2,234	0,169	0,328	0,115	0,04	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,427	0	97	2,242	0,171	0,331	0,115	0,04	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,371	0	97,038	2,257	0,172	0,334	0,117	0,041	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,356	0	97,04	2,268	0,173	0,335	0,117	0,041	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,334	0	97,049	2,279	0,174	0,337	0,117	0,041	0,001	0,004	0	0	-	0
1.6.2021 8:27	0,328	0	97,049	2,285	0,174	0,337	0,118	0,041	0,001	0,004	0	0	-	0
1.6.2021 8:27	0,315	0	97,057	2,29	0,174	0,338	0,118	0,041	0,001	0,004	0	0	-	0
1.6.2021 8:27	0,291	0	97,064	2,305	0,175	0,34	0,119	0,041	0,001	0,004	0	0	-	0
1.6.2021 8:27	0,288	0	97,085	2,296	0,171	0,331	0,117	0,04	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,272	0	97,096	2,3	0,171	0,332	0,117	0,04	0,001	0,003	0	0	-	0
1.6.2021 8:27	0,242	0	97,108	2,316	0,172	0,334	0,118	0,04	0,001	0,004	0	0	-	0
1.6.2021 8:27	0,222	0	97,113	2,33	0,173	0,336	0,119	0,04	0,001	0,004	0	0	-	0

C8 (mol %)	C9+ (mol %)	NCV (kWh/m3) @15/15	NCV (MJ/m3) @15/15	NCV (kWh/m3) @25/0	NCV (MJ/m3) @25/0	GCV (kWh/m3) @15/15	GCV (MJ/m3) @15/15	GCV (kWh/m3) @25/0	GCV (MJ/m3) @25/0	Wd(kWh/m3) @15/15	Wd(Mj/m3) @15/15	Wd(kWh/m3) @25/0
-	-	9,641201	34,708	10,173854	36,626	10,699381	38,518	11,280071	40,608	12,746	45,884	13,448
-	-	9,633065	34,679	10,165266	36,595	10,690461	38,486	11,270661	40,574	12,734	45,844	13,436
-	-	9,632004	34,675	10,164145	36,591	10,689305	38,481	11,269442	40,57	12,733	45,84	13,435
-	-	9,63601	34,69	10,168373	36,606	10,693718	38,497	11,274097	40,587	12,739	45,862	13,441
-	-	9,637488	34,695	10,169933	36,612	10,695385	38,503	11,275852	40,593	12,743	45,874	13,445
-	-	9,642225	34,712	10,174935	36,63	10,700588	38,522	11,281341	40,613	12,75	45,898	13,452
-	-	9,650349	34,741	10,18351	36,661	10,709526	38,554	11,290769	40,647	12,762	45,942	13,465
-	-	9,651513	34,745	10,18474	36,665	10,710788	38,559	11,292101	40,652	12,763	45,946	13,466
-	-	9,654691	34,757	10,188094	36,677	10,714273	38,571	11,295777	40,665	12,767	45,962	13,471
-	-	9,655744	34,761	10,189206	36,681	10,715416	38,575	11,296984	40,669	12,768	45,966	13,472
-	-	9,658044	34,769	10,191634	36,69	10,717942	38,585	11,299648	40,679	12,771	45,977	13,475
-	-	9,661279	34,781	10,19505	36,702	10,721498	38,597	11,303398	40,692	12,776	45,994	13,48
-	-	9,658819	34,772	10,192452	36,693	10,718864	38,588	11,300617	40,682	12,775	45,989	13,479
-	-	9,662468	34,785	10,196304	36,707	10,722865	38,602	11,304839	40,697	12,78	46,007	13,484
-	-	9,666333	34,799	10,200383	36,721	10,727101	38,618	11,309307	40,714	12,785	46,026	13,49
-	-	9,670104	34,812	10,204365	36,736	10,731227	38,632	11,313659	40,729	12,79	46,044	13,495
-	-	9,656504	34,763	10,190042	36,684	10,715217	38,575	11,296821	40,669	12,73	45,827	13,431
-	-	9,635602	34,688	10,167948	36,605	10,693116	38,495	11,273469	40,584	12,733	45,839	13,435
-	-	9,64868	34,735	10,181799	36,654	10,706159	38,542	11,28729	40,634	12,7	45,721	13,4
-	-	9,64148	34,709	10,174168	36,627	10,699132	38,517	11,279836	40,607	12,724	45,806	13,425
-	-	9,650557	34,742	10,183775	36,662	10,708394	38,55	11,289638	40,643	12,709	45,754	13,41
-	-	9,644135	34,719	10,17696	36,637	10,702364	38,529	11,283229	40,62	12,74	45,864	13,442
-	-	9,652987	34,751	10,18631	36,671	10,711985	38,563	11,293383	40,656	12,748	45,894	13,451
-	-	9,654529	34,756	10,187937	36,677	10,713682	38,569	11,295173	40,663	12,751	45,903	13,454
-	-	9,654143	34,755	10,187516	36,675	10,713663	38,569	11,295135	40,662	12,766	45,958	13,47
-	-	9,655703	34,761	10,189164	36,681	10,715371	38,575	11,296936	40,669	12,768	45,965	13,472
-	-	9,657363	34,767	10,190917	36,687	10,717196	38,582	11,298861	40,676	12,77	45,974	13,474
-	-	9,675532	34,832	10,210171	36,757	10,73495	38,646	11,317692	40,744	12,711	45,76	13,412
-	-	9,685449	34,868	10,220655	36,794	10,745391	38,683	11,328727	40,783	12,71	45,755	13,41
-	-	9,679869	34,848	10,214744	36,773	10,739877	38,664	11,322881	40,762	12,724	45,807	13,425
-	-	9,678955	34,844	10,21377	36,77	10,739131	38,661	11,322081	40,759	12,732	45,837	13,434
-	-	9,669736	34,811	10,203978	36,734	10,730785	38,631	11,313195	40,728	12,788	46,036	13,493
0	0	9,639654	34,703	10,172095	36,62	10,697679	38,512	11,27828	40,602	12,748	45,891	13,45
0	0	9,62779	34,66	10,15957	36,574	10,684702	38,465	11,264589	40,553	12,732	45,836	13,434
0	0	9,625341	34,651	10,156983	36,565	10,682031	38,455	11,261771	40,542	12,73	45,826	13,431
0	0	9,629357	34,666	10,161223	36,58	10,686459	38,471	11,266442	40,559	12,736	45,849	13,437
0	0	9,630378	34,669	10,1623	36,584	10,687603	38,475	11,267647	40,564	12,738	45,857	13,44
0	0	9,635078	34,686	10,167261	36,602	10,69278	38,494	11,273108	40,583	12,745	45,882	13,447
0	0	9,641951	34,711	10,174517	36,628	10,700351	38,521	11,281093	40,612	12,756	45,92	13,458
0	0	9,64447	34,72	10,177179	36,638	10,703105	38,531	11,284002	40,622	12,759	45,931	13,462
0	0	9,647705	34,732	10,180591	36,65	10,706653	38,544	11,287741	40,636	12,763	45,947	13,466
0	0	9,648846	34,736	10,181797	36,654	10,7079	38,548	11,289056	40,641	12,765	45,952	13,468
0	0	9,650562	34,742	10,183608	36,661	10,709787	38,555	11,291047	40,648	12,767	45,962	13,471
0	0	9,654289	34,755	10,187543	36,675	10,713869	38,57	11,295353	40,663	12,772	45,979	13,476
0	0	9,652326	34,748	10,185469	36,668	10,711775	38,562	11,293142	40,655	12,771	45,976	13,475
0	0	9,654318	34,756	10,187571	36,675	10,713971	38,57	11,295457	40,664	12,774	45,988	13,478
0	0	9,658687	34,771	10,192184	36,692	10,718763	38,588	11,300512	40,682	12,78	46,009	13,485
0	0	9,661941	34,783	10,195619	36,704	10,722325	38,6	11,30427	40,695	12,785	46,025	13,489

Wd(Mj/m3) @25/0	Wg(kWh/m3) @15/15	Wg(Mj/m3) @15/15	Wg(kWh/m3) @25/0	Wg(Mj/m3) @25/0	$\rho$ (kg/m3) @15	$\rho$ (kg/m3) @0	d@15	d@0	M kg/kmol	R J/kgK	MN (metanski broj)
48,413	14,144	50,92	14,91	53,677	0,701	0,74	0,5722	0,5723	16,544	502,567	89,669
48,371	14,132	50,876	14,897	53,631	0,701	0,74	0,5722	0,5724	16,545	502,536	89,765
48,366	14,131	50,872	14,896	53,626	0,701	0,74	0,5722	0,5724	16,545	502,552	89,784
48,389	14,138	50,896	14,903	53,651	0,701	0,7399	0,5721	0,5723	16,542	502,618	89,757
48,402	14,142	50,91	14,907	53,666	0,701	0,7397	0,572	0,5721	16,538	502,738	89,779
48,428	14,149	50,936	14,915	53,694	0,701	0,7397	0,572	0,5721	16,537	502,771	89,73
48,474	14,162	50,984	14,929	53,744	0,701	0,7395	0,5718	0,572	16,534	502,88	89,665
48,478	14,163	50,988	14,93	53,749	0,701	0,7396	0,5719	0,572	16,535	502,845	89,638
48,495	14,168	51,006	14,935	53,767	0,701	0,7396	0,5719	0,572	16,534	502,86	89,603
48,499	14,169	51,01	14,937	53,772	0,701	0,7396	0,5719	0,572	16,535	502,836	89,581
48,511	14,173	51,023	14,94	53,785	0,701	0,7396	0,5719	0,572	16,535	502,856	89,559
48,529	14,178	51,041	14,946	53,805	0,701	0,7395	0,5718	0,572	16,534	502,885	89,527
48,524	14,177	51,036	14,944	53,799	0,701	0,7393	0,5717	0,5718	16,529	503,034	89,609
48,543	14,182	51,056	14,95	53,82	0,701	0,7393	0,5716	0,5718	16,528	503,062	89,575
48,563	14,188	51,077	14,956	53,842	0,7	0,7393	0,5716	0,5718	16,528	503,058	89,523
48,581	14,193	51,096	14,962	53,862	0,701	0,7393	0,5717	0,5718	16,528	503,049	89,471
48,353	14,126	50,852	14,89	53,605	0,705	0,7442	0,5754	0,5756	16,637	499,766	88,781
48,365	14,131	50,87	14,895	53,624	0,702	0,7406	0,5727	0,5728	16,557	502,165	89,639
48,241	14,092	50,732	14,855	53,478	0,707	0,7465	0,5772	0,5774	16,688	498,289	88,553
48,331	14,12	50,831	14,884	53,583	0,704	0,7426	0,5742	0,5743	16,601	500,863	89,26
48,276	14,103	50,769	14,866	53,518	0,707	0,7457	0,5766	0,5767	16,67	498,814	88,655
48,391	14,138	50,896	14,903	53,651	0,702	0,7411	0,5731	0,5732	16,569	501,824	89,469
48,423	14,147	50,929	14,913	53,686	0,703	0,7415	0,5733	0,5735	16,577	501,573	89,304
48,433	14,15	50,939	14,916	53,697	0,703	0,7414	0,5733	0,5735	16,576	501,606	89,288
48,49	14,167	51,001	14,934	53,762	0,701	0,7396	0,5719	0,572	16,535	502,831	89,602
48,498	14,169	51,01	14,936	53,771	0,701	0,7396	0,5719	0,572	16,535	502,834	89,581
48,507	14,172	51,019	14,939	53,781	0,701	0,7396	0,5719	0,572	16,535	502,847	89,566
48,282	14,103	50,77	14,866	53,519	0,71	0,7494	0,5795	0,5796	16,751	496,408	87,785
48,277	14,101	50,762	14,864	53,511	0,712	0,7511	0,5808	0,5809	16,79	495,313	87,387
48,331	14,118	50,823	14,882	53,575	0,709	0,7485	0,5788	0,5789	16,732	496,966	87,847
48,363	14,127	50,857	14,892	53,611	0,708	0,7474	0,5779	0,5781	16,707	497,692	88,034
48,574	14,191	51,088	14,959	53,854	0,701	0,7395	0,5718	0,5719	16,532	502,925	89,444
48,42	14,147	50,928	14,913	53,685	0,701	0,7395	0,5718	0,572	16,533	502,89	89,787
48,362	14,13	50,868	14,895	53,622	0,701	0,7395	0,5718	0,5719	16,532	502,923	89,954
48,351	14,127	50,857	14,892	53,61	0,701	0,7394	0,5718	0,5719	16,531	502,952	89,995
48,375	14,134	50,882	14,899	53,636	0,701	0,7393	0,5717	0,5718	16,529	503,025	89,969
48,383	14,136	50,891	14,902	53,646	0,7	0,7392	0,5716	0,5717	16,527	503,092	89,979
48,41	14,144	50,919	14,91	53,676	0,7	0,7391	0,5715	0,5717	16,524	503,167	89,945
48,45	14,156	50,961	14,922	53,719	0,7	0,739	0,5714	0,5715	16,521	503,275	89,895
48,462	14,159	50,973	14,926	53,733	0,7	0,739	0,5714	0,5715	16,521	503,266	89,859
48,479	14,164	50,991	14,931	53,751	0,7	0,7389	0,5714	0,5715	16,521	503,28	89,822
48,484	14,166	50,996	14,933	53,757	0,7	0,739	0,5714	0,5715	16,521	503,271	89,804
48,494	14,168	51,006	14,935	53,768	0,7	0,7389	0,5714	0,5715	16,52	503,292	89,79
48,513	14,174	51,026	14,941	53,788	0,7	0,7389	0,5714	0,5715	16,52	503,295	89,743
48,51	14,173	51,023	14,94	53,785	0,7	0,7387	0,5712	0,5714	16,516	503,434	89,815
48,521	14,176	51,035	14,944	53,798	0,7	0,7387	0,5712	0,5713	16,514	503,468	89,802
48,544	14,183	51,059	14,951	53,823	0,7	0,7386	0,5712	0,5713	16,514	503,488	89,753
48,56	14,188	51,076	14,956	53,841	0,7	0,7387	0,5712	0,5713	16,514	503,485	89,71