

dim	generator	symbol	nb sec. c.	dim	generator	symbol	nb sec. c.	dim	generator
1	L_1	40,42	450	3	$L_1 D_4^2$	48,242	2738	4	$L_2^2 D_4^3$
1	L_2	42,96	777	3	$L_2 D_4^2$	42,168	2047	4	$L_1 L_2 D_4^2$
1	L_3	48,180	670	3	$L_3 D_4^2$	52,344	1344	4	$L_1 L_3 D_4^2$
1	L_4	50,192	112	3	$L_7 D_4^2$	56,462	484	4	$L_2 L_3 D_4^2$
1	L_5	50,282	352	3	$L_1 L_2 D_4$	48,242	5029	4	$L_3 L_7 D_4^2$
1	L_6	54,342	324	3	$L_1 L_3 D_4$	48,254	2436	4	$L_1 L_2 L_3 D_4$
1	L_7	54,366	220	3	$L_1 L_5 D_4$	50,328	650	4	$L_1 L_2 L_5 D_4$
2	D_4^2	42,132	1067	3	$L_2 L_3 D_4$	52,346	2344	4	$L_1 L_3^2 L_7 D_4$
2	$L_1 D_4$	40,122	1814	3	$L_2 L_5 D_4$	54,402	650	4	$L_1 L_3 L_5 D_4$
2	$L_2 D_4$	42,132	1825	3	$L_3 L_5 D_4$	50,334	553	4	$L_2 L_3 L_5 D_4$
2	$L_3 D_4$	48,246	1428	3	$L_3 L_7 D_4$	54,410	1160	4	$L_1 L_2 L_3 L_5$
2	$L_5 D_4$	50,312	352	3	$L_1 L_2 L_3$	52,316	2773	4	$L_1 L_2 L_3 L_6$
2	$L_7 D_4$	54,402	484	3	$L_1 L_2 L_5$	54,392	1256	4	$L_1 L_2 L_5 L_6$
2	$L_1 L_2$	48,202	2385	3	$L_1 L_2 L_6$	54,400	758	4	$L_1 L_3 L_4 L_5$
2	$L_1 L_3$	48,188	1058	3	$L_1 L_3^2 L_7$	54,382	456	4	$L_1 L_3 L_4 L_6$
2	$L_1 L_4$	50,232	333	3	$L_1 L_3 L_4$	50,288	516	4	$L_1 L_3 L_5 L_6$
2	$L_1 L_5$	50,298	650	3	$L_1 L_3 L_5$	50,312	696	4	$L_1 L_4 L_5 L_6$
2	$L_1 L_6$	54,366	758	3	$L_1 L_3 L_6$	54,394	856	4	$L_2 L_3 L_5 L_6$
2	$L_2 L_3$	52,308	1638	3	$L_1 L_4 L_5$	50,346	630	4	$L_3 L_4 L_5 L_6$
2	$L_2 L_5$	54,376	650	3	$L_1 L_4 L_6$	54,388	734	5	$L_2^5 D_4^5$
2	$L_2 L_6$	54,376	324	3	$L_1 L_5 L_6$	54,404	928	5	$L_1 L_2^2 D_4^3$
2	$L_3 L_4$	50,280	318	3	$L_2 L_3 L_5$	54,398	1092	5	$L_1 L_2 L_3 D_4^2$
2	$L_3 L_5$	50,304	553	3	$L_2 L_3 L_6$	54,420	582	5	$L_1 L_3^2 L_7 D_4^2$
2	$L_3 L_6$	54,386	582	3	$L_2 L_5 L_6$	54,422	553	5	$L_1 L_2 L_3 L_5 D_4$
2	$L_3 L_7$	54,374	490	3	$L_3 L_4 L_5$	50,352	553	5	$L_1 L_2 L_3 L_5 L_6$
2	$L_4 L_5$	50,330	348	3	$L_3 L_4 L_6$	54,408	531	5	$L_1 L_3 L_4 L_5 L_6$
2	$L_4 L_6$	54,364	318	3	$L_3 L_5 L_6$	54,410	628		
2	$L_5 L_6$	54,388	553	3	$L_4 L_5 L_6$	54,410	553		

dim	generator	symbol	nb sec. c.	nb cont. d.	dim	generator	symbol	nb sec.
3	$L_1^2 L_3 p_1$	48,196	566	2047	7	$L_3 L_4 L_6^2 p_1^4$	58,536	27
4	$L_1 L_3 L_5 p_1^2$	50,320	205	3988	7	$L_1^3 L_3^3 L_5 D_4 p_1^3$	50,378	73
4	$L_1^2 L_3 D_4 p_1$	48,262	1240	1074	7	$L_1^3 L_2 L_3^3 L_5 p_1^3$	54,442	134
4	$L_1^3 L_3^3 L_7 p_1$	54,390	174	665	7	$L_1^3 L_3^3 L_4 L_5 p_1^3$	50,396	73
4	$L_1^2 L_2 L_3 p_1$	52,324	1423	1092	7	$L_1^3 L_3^3 L_5 L_6 p_1^3$	54,454	33
4	$L_1^2 L_3 L_4 p_1$	50,296	274	1256	7	$L_1^2 L_2 L_3 L_5 L_6 p_1^3$	54,474	164
4	$L_1^2 L_3 L_5 p_1$	50,320	205	615	7	$L_1^2 L_3^2 L_5^2 L_6 p_1^3$	54,464	74
4	$L_1^2 L_3 L_6 p_1$	54,402	358	4100	7	$L_1^2 L_3^2 L_5^2 L_6 p_1^3$	54,464	148
4	$L_1 L_3^2 L_5 p_1$	50,326	182	3503	7	$L_1^2 L_3 L_4 L_5 L_6 p_1^3$	54,462	150
4	$L_3 L_5^2 L_6 p_1$	54,434	203	3999	7	$L_1 L_2 L_3 L_5^2 L_6 p_1^3$	54,484	121
5	$L_1 L_5 L_6 p_1^3$	54,412	97	615	7	$L_1 L_3^3 L_5^3 L_6 p_1^3$	54,480	22
5	$L_1 L_3 L_5 D_4 p_1^2$	50,350	205	1188	7	$L_1 L_3 L_4 L_5^2 L_6 p_1^3$	54,472	121
5	$L_1^2 L_3^2 L_5 p_1^2$	50,334	298	5895	7	$L_1^2 L_2 L_3^2 L_5 D_4 p_1^2$	54,454	606
5	$L_1 L_2 L_3 L_5 p_1^2$	54,414	396	492	7	$L_1^2 L_2 L_3^2 L_5 L_6 p_1^2$	54,474	200
5	$L_1 L_3 L_4 L_5 p_1^2$	50,368	197	492	7	$L_1^2 L_2 L_3 L_5^2 L_6 p_1^2$	54,484	34
5	$L_1 L_3 L_5 L_6 p_1^2$	54,426	164	689	7	$L_1^2 L_3^2 L_4 L_5 L_6 p_1^2$	54,462	200
5	$L_1 L_3 L_5 L_6 p_1^2$	54,432	164	1815	7	$L_1^2 L_3 L_4 L_5^2 L_6 p_1^2$	54,472	34
5	$L_1^2 L_3 D_4^2 p_1$	52,360	1168	3279	7	$L_1 L_2 L_3^2 L_5^2 L_6 p_1^2$	54,490	148
5	$L_1^3 L_3^3 L_7 D_4 p_1$	54,426	396	100	7	$L_1 L_3^2 L_4 L_5^2 L_6 p_1^2$	54,478	148
5	$L_1^2 L_2 L_3 D_4 p_1$	52,362	2060	1392	8	$L_1^2 L_3^2 L_5^2 L_6 p_1^5$	54,478	34
5	$L_1^2 L_3 L_5 D_4 p_1$	50,350	205	553	8	$L_1^3 L_3^3 L_5^2 L_6 p_1^4$	54,478	47
5	$L_1 L_3^2 L_5 D_4 p_1$	50,356	182	1092	8	$L_1^2 L_3^3 L_5^3 L_6 p_1^4$	54,488	38
5	$L_1^2 L_2 L_3 L_5 p_1$	54,414	396	958	8	$L_1^2 L_3^3 L_5^3 L_6 p_1^4$	54,478	43
5	$L_1^2 L_2 L_3 L_6 p_1$	54,436	358	480	8	$L_1 L_2 L_3^2 L_5 L_6 p_1^4$	54,488	64
5	$L_1^2 L_3 L_4 L_5 p_1$	50,368	205	1490	8	$L_1 L_3^2 L_4 L_5 L_6 p_1^4$	54,476	57
5	$L_1^2 L_3 L_4 L_6 p_1$	54,424	327	990	8	$L_1 L_3 L_4 L_6^2 p_1^4$	58,544	28
5	$L_1^2 L_3 L_5 L_6 p_1$	54,426	228	291	8	$L_1^3 L_2 L_3^3 L_5 D_4 p_1^3$	54,468	134
5	$L_1 L_2 L_3^2 L_5 p_1$	54,420	352	546	8	$L_1^3 L_2 L_3^3 L_5 L_6 p_1^3$	54,488	33
5	$L_1 L_3^2 L_4 L_5 p_1$	50,374	182	800	8	$L_1^3 L_3^3 L_4 L_5 L_6 p_1^3$	54,476	33
5	$L_1 L_3^2 L_5 L_6 p_1$	54,432	128	628	8	$L_1^2 L_2 L_3^2 L_5^2 L_6 p_1^3$	54,498	74
5	$L_1 L_3 L_5^2 L_6 p_1$	54,442	178	328	8	$L_1^2 L_2 L_3^2 L_5^2 L_6 p_1^3$	54,498	148
5	$L_2 L_3 L_5^2 L_6 p_1$	54,468	203	474	8	$L_1^2 L_3^2 L_4 L_5^2 L_6 p_1^3$	54,486	74
5	$L_3 L_4 L_5^2 L_6 p_1$	54,456	203	591	8	$L_1^2 L_3^2 L_4 L_5^2 L_6 p_1^3$	54,486	148
6	$L_3^2 L_6 p_1^4$	54,430	34	92	8	$L_1 L_2 L_3^3 L_5^3 L_6 p_1^3$	54,514	22
6	$L_1^3 L_3^3 L_5 p_1^3$	50,348	73	1188	8	$L_1 L_3^3 L_4 L_5^3 L_6 p_1^3$	54,502	22
6	$L_1^2 L_3 L_5 L_6 p_1^3$	54,440	164	492	9	$L_1 L_4 L_5 L_6 p_1^6$	54,502	16
6	$L_1 L_2 L_5 L_6 p_1^3$	54,446	97	492	9	$L_1^3 L_3^4 L_5^3 L_6 p_1^5$	54,502	38
6	$L_1 L_3 L_5^2 L_6 p_1^3$	54,450	121	2619	9	$L_1^2 L_2 L_3^2 L_5^2 L_6 p_1^5$	54,512	34
6	$L_1 L_4 L_5 L_6 p_1^3$	54,434	93	1092	9	$L_1^2 L_3^2 L_4 L_5^2 L_6 p_1^5$	54,500	30
6	$L_1^2 L_3 L_5 D_4 p_1^2$	50,364	298	958	9	$L_1^2 L_3 L_4 L_6^2 p_1^5$	58,552	11
6	$L_1 L_2 L_3 L_5 D_4 p_1^2$	54,440	396	1490	9	$L_1^3 L_2 L_3^3 L_5^2 L_6 p_1^4$	54,512	47
6	$L_1^2 L_2 L_3^2 L_5 p_1^2$	54,428	606	3030	9	$L_1^3 L_3^3 L_4 L_5^2 L_6 p_1^4$	54,500	47
6	$L_1^2 L_3^2 L_4 L_5 p_1^2$	50,382	298	639	9	$L_1^2 L_2 L_3^3 L_5^3 L_6 p_1^4$	54,522	38
6	$L_1^2 L_3^2 L_5 L_6 p_1^2$	54,440	200	291	9	$L_1^2 L_2 L_3^3 L_5^3 L_6 p_1^4$	54,512	43
6	$L_1^2 L_3 L_5^2 L_6 p_1^2$	54,450	34	820	9	$L_1^2 L_3^3 L_4 L_5^3 L_6 p_1^4$	54,510	38