Ru

$(2^2 \times Sz(8)):3$	417600	1a + 3276a + 20475a + 27405a + 34944ab + 52780a + 65975a + 75400a + 102400a	10

Character Numbers: [1, 6, 8, 14, 15, 16, 21, 23, 25, 32]

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}
χ_1	1	455	3640	5824	29120	29120	58240	87360	87360	116480
χ_2	1	-9	392	-208	816	352	-224	-1728	1056	-448
χ_3	1	39	-104	64	192	256	-512	192	384	-512
χ_4	1	-9	72	192	256	-288	-64	192	-224	-128
χ_5	1	$23-2r6$	$16-14r6$	$-92+24r6$	$68+28r6$	$-64+76r6$	$208+148r6$	$216-84r6$	$-192-72r6$	$-184-104r6$
χ_6	1	$23+2r6$	$16+14r6$	$-92-24r6$	$68-28r6$	$-64-76r6$	$208-148r6$	$216+84r6$	$-192+72r6$	$-184+104r6$
χ_7	1	-25	-40	-16	-80	-160	160	0	480	-320
χ_8	1	23	40	64	-256	32	64	-192	96	128
χ_9	1	-1	-64	-16	112	-64	-32	-288	-96	448
χ_{10}	1	-22	20	-16	-56	167	-116	153	-159	28

Ramanujan Graphs: [2], [2, 3, 4, 5, 6, 7, 8], [2, 3, 4, 5, 6, 7, 8, 9], [2, 3, 4, 5, 6, 7, 8, 9, 10], [2, 3, 4, 5, 6, 7, 8, 10], [2, 3, 4, 5, 6, 7, 10], [2, 3, 4, 5, 6, 8], [2, 3, 4, 5, 6, 8, 9, 10], [2, 3, 4, 5, 6, 8, 10], [2, 3, 4, 5, 7, 8, 9], [2, 3, 4, 5, 7, 8, 9, 10], [2, 3, 4, 5, 7, 10], [2, 3, 4, 5, 8, 9], [2, 3, 4, 5, 8, 9, 10], [2, 3, 4, 5, 10], [2, 3, 4, 6, 7], [2, 3, 4, 6, 7, 8, 9], [2, 3, 4, 6, 7, 8, 9, 10],

[2, 3, 4, 6, 7, 9, 10], [2, 3, 4, 6, 7, 10], [2, 3, 4, 6, 8, 9], [2, 3, 4, 6, 8, 9, 10], [2, 3, 4, 6, 10],
[2, 3, 4, 7], [2, 3, 4, 7, 8, 9], [2, 3, 4, 7, 8, 9, 10], [2, 3, 4, 7, 9, 10], [2, 3, 4, 8, 9], [2, 3, 4,
8, 9, 10], [2, 3, 4, 9, 10], [2, 3, 4, 10], [2, 3, 5, 6, 7, 8], [2, 3, 5, 6, 7, 8, 9], [2, 3, 5, 6, 7, 8,
9, 10], [2, 3, 5, 6, 7, 8, 10], [2, 3, 5, 6, 7, 10], [2, 3, 5, 6, 8], [2, 3, 5, 6, 8, 9], [2, 3, 5, 6, 8,
9, 10], [2, 3, 5, 6, 8, 10], [2, 3, 5, 7, 8], [2, 3, 5, 7, 8, 9], [2, 3, 5, 7, 8, 9, 10], [2, 3, 5, 7, 10
], [2, 3, 5, 8], [2, 3, 5, 8, 9], [2, 3, 5, 8, 9, 10], [2, 3, 5, 10], [2, 3, 6, 7], [2, 3, 6, 7, 8, 9], [
2, 3, 6, 7, 8, 9, 10], [2, 3, 6, 7, 10], [2, 3, 6, 8, 9], [2, 3, 6, 8, 9, 10], [2, 3, 6, 10], [2, 3, 7, 8,
9], [2, 3, 7, 8, 9, 10], [2, 3, 7, 9, 10], [2, 3, 8, 9], [2, 3, 8, 9, 10], [2, 3, 10], [2, 4, 5, 6, 7, 8,
9], [2, 4, 5, 6, 7, 8, 9, 10], [2, 4, 5, 6, 7, 10], [2, 4, 5, 6, 8], [2, 4, 5, 6, 8, 9, 10], [2, 4, 5, 6,
10], [2, 4, 5, 7], [2, 4, 5, 7, 8, 9], [2, 4, 5, 7, 8, 9, 10], [2, 4, 5, 7, 9, 10], [2, 4, 5, 7, 10], [2,
4, 5, 8, 9], [2, 4, 5, 8, 9, 10], [2, 4, 5, 10], [2, 4, 6], [2, 4, 6, 7], [2, 4, 6, 7, 8, 9], [2, 4, 6, 7,
8, 9, 10], [2, 4, 6, 7, 9, 10], [2, 4, 6, 7, 10], [2, 4, 6, 8, 9, 10], [2, 4, 6, 9, 10], [2, 4, 6, 10], [
2, 4, 7], [2, 4, 7, 9], [2, 4, 7, 9, 10], [2, 4, 9, 10], [2, 4, 10], [2, 5, 6, 7, 8], [2, 5, 6, 7, 8, 9],
[2, 5, 6, 7, 8, 9, 10], [2, 5, 6, 7, 10], [2, 5, 6, 8], [2, 5, 6, 8, 9, 10], [2, 5, 6, 8, 10], [2, 5, 6,
10], [2, 5, 7], [2, 5, 7, 8, 9], [2, 5, 7, 8, 9, 10], [2, 5, 7, 10], [2, 5, 8, 9], [2, 5, 8, 9, 10], [2,
5, 10], [2, 6], [2, 6, 7], [2, 6, 7, 8, 9], [2, 6, 7, 8, 9, 10], [2, 6, 7, 9, 10], [2, 6, 7, 10], [2, 6,
8, 9], [2, 6, 8, 9, 10], [2, 6, 9, 10], [2, 6, 10], [2, 7], [2, 7, 8, 9], [2, 7, 9, 10], [2, 8, 9], [2,
9, 10], [2, 10], [3, 4, 5, 6, 7, 8], [3, 4, 5, 6, 7, 8, 9], [3, 4, 5, 6, 7, 8, 9, 10], [3, 4, 5, 6, 7, 8,
10], [3, 4, 5, 6, 7, 10], [3, 4, 5, 6, 8], [3, 4, 5, 6, 8, 9], [3, 4, 5, 6, 8, 9, 10], [3, 4, 5, 6, 8, 10
], [3, 4, 5, 7, 8, 9], [3, 4, 5, 7, 8, 9, 10], [3, 4, 5, 7, 10], [3, 4, 5, 8, 9], [3, 4, 5, 8, 9, 10], [3,
4, 5, 10], [3, 4, 6, 7], [3, 4, 6, 7, 8, 9], [3, 4, 6, 7, 8, 9, 10], [3, 4, 6, 7, 9, 10], [3, 4, 6, 7, 10
], [3, 4, 6, 8, 9], [3, 4, 6, 8, 9, 10], [3, 4, 6, 10], [3, 4, 7, 8, 9], [3, 4, 7, 8, 9, 10], [3, 4, 7, 9,
10], [3, 4, 8, 9], [3, 4, 8, 9, 10], [3, 4, 9, 10], [3, 4, 10], [3, 5, 6, 7, 8], [3, 5, 6, 7, 8, 9], [3,
5, 6, 7, 8, 9, 10], [3, 5, 6, 7, 8, 10], [3, 5, 6, 7, 10], [3, 5, 6, 8], [3, 5, 6, 8, 9], [3, 5, 6, 8, 9,
10], [3, 5, 6, 8, 10], [3, 5, 7, 8], [3, 5, 7, 8, 9], [3, 5, 7, 8, 9, 10], [3, 5, 8], [3, 5, 8, 9], [3,
5, 8, 9, 10], [3, 5, 8, 10], [3, 5, 10], [3, 6, 7], [3, 6, 7, 8, 9], [3, 6, 7, 8, 9, 10], [3, 6, 7, 10],
[3, 6, 8, 9], [3, 6, 8, 9, 10], [3, 6, 10], [3, 7, 8, 9], [3, 7, 8, 9, 10], [3, 7, 9, 10], [3, 8, 9], [

3, 8, 9, 10], [3, 10], [4, 5, 6, 7, 8, 9], [4, 5, 6, 7, 8, 9, 10], [4, 5, 6, 7, 10], [4, 5, 6, 8], [4, 5, 6, 8, 9, 10], [4, 5, 6, 10], [4, 5, 7], [4, 5, 7, 8, 9], [4, 5, 7, 8, 9, 10], [4, 5, 7, 9, 10], [4, 5, 7, 10], [4, 5, 8, 9], [4, 5, 8, 9, 10], [4, 5, 10], [4, 6], [4, 6, 7], [4, 6, 7, 8, 9], [4, 6, 7, 8, 9, 10], [4, 6, 7, 9, 10], [4, 6, 7, 10], [4, 6, 8, 9], [4, 6, 8, 9, 10], [4, 6, 9, 10], [4, 6, 10], [4, 7], [4, 7, 9], [4, 7, 9, 10], [4, 9, 10], [4, 10], [5, 6, 7, 8], [5, 6, 7, 8, 9], [5, 6, 7, 8, 9, 10], [5, 6, 7, 10], [5, 6, 8], [5, 6, 8, 9, 10], [5, 6, 8, 10], [5, 6, 10], [5, 7, 8, 9], [5, 7, 8, 9, 10], [5, 7, 10], [5, 8, 9], [5, 8, 9, 10], [5, 10], [6, 7], [6, 7, 8, 9], [6, 7, 8, 9, 10], [6, 7, 9, 10], [6, 7, 10], [6, 8, 9], [6, 8, 9, 10], [6, 9, 10], [6, 10], [7, 8, 9], [7, 9, 10], [8, 9], [9, 10], [10]