$Suz.2$

$3.U_4(3)$ $\leq 3.U_4(3).2^2$	91520	$1a^{\pm} + 143a^{\pm} + 364a^{\pm} + 780a^{\pm} + 5940a^{\pm}$ $+ 10725a^{\pm} + 12012a^{\pm} + 15795a^{\pm}$	16

Character Numbers: [1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 16, 17, 18, 19, 23, 24]

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}
χ_1	1	1	1	1	486	486	486	486	560	560	8505	8505	8505	8505	27216	27216
χ_2	1	−1	1	−1	−486	486	−486	486	560	−560	−8505	8505	8505	−8505	−27216	27216
χ_3	1	1	−1	−1	−162	−162	162	162	0	0	−945	−945	945	945	0	0
χ_4	1	−1	−1	1	162	−162	−162	162	0	0	945	−945	945	−945	0	0
χ_5	1	1	1	1	−54	−54	−54	−54	160	160	405	405	405	405	−864	−864
χ_6	1	−1	1	−1	54	−54	54	−54	160	−160	−405	405	405	−405	864	−864
χ_7	1	1	1	1	90	90	90	90	−56	−56	189	189	189	189	−504	−504
χ_8	1	−1	1	−1	−90	90	−90	90	−56	56	−189	189	189	−189	504	−504
χ_9	1	1	1	1	18	18	18	18	40	40	−75	−75	−75	−75	72	72
χ_{10}	1	−1	1	−1	−18	18	−18	18	40	−40	75	−75	−75	75	−72	72
χ_{11}	1	1	−1	−1	−18	−18	18	18	0	0	63	63	−63	−63	0	0
χ_{12}	1	−1	−1	1	18	−18	−18	18	0	0	−63	63	−63	63	0	0
χ_{13}	1	1	−1	−1	18	18	−18	−18	0	0	−45	−45	45	45	0	0
χ_{14}	1	−1	−1	1	−18	18	18	−18	0	0	45	−45	45	−45	0	0
χ_{15}	1	1	1	1	−10	−10	−10	−10	−16	−16	9	9	9	9	16	16
χ_{16}	1	−1	1	−1	10	−10	10	−10	−16	16	−9	9	9	−9	−16	16

Ramanujan Graphs: [2, 3], [2, 3, 4], [2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 6, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 7, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 8, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 5, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 7, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 6, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 7, 11, 12, 13, 14, 15, 16], [2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 8, 11, 12, 13, 14, 15, 16], [2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 9, 11, 12, 13, 14, 15, 16], [2, 3, 4, 10, 11, 12, 13, 14, 15, 16], [2, 3, 4, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 9, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 7, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 8, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 9, 11, 12, 13, 14, 15, 16], [2, 3, 5, 6, 10, 11, 12, 13, 14, 15, 16], [

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