

$L_6(2).2 \pmod{2}$

	blocks	defect	matrix
$G :$	1	16	70×19
	2	1	2×1

Block 1:	$\varphi_{1,0}$	φ_{2+}	φ_{4+}	$\varphi_{6,0}$	$\varphi_{7,0}$	φ_{8+}	φ_{10+}	φ_{12+}	$\varphi_{14,0}$	φ_{15+}	φ_{17+}	$\varphi_{19,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.	.
$62_1 = \chi_{2,0}$	.	1	1	1	.	.	.	.	.	.	.	.
$62_2 = \chi_{2,1}$	.	1	1	1	.	.	.	.	.	.	.	.
$217_1 = \chi_{3,0}$	1	1	1	1	.	.	.	.	1	.	.	.
$217_2 = \chi_{3,1}$	1	1	1	1	.	.	.	.	1	.	.	.
$588_1 = \chi_{4,0}$	2	.	1	1	1	.	1	1	1	.	.	.
$588_2 = \chi_{4,1}$	2	.	1	1	1	.	1	1	1	.	.	.
$651_1 = \chi_{5,0}$	3	1	2	2	1	.	1	1	1	.	.	.
$651_2 = \chi_{5,1}$	3	1	2	2	1	.	1	1	1	.	.	.
$744_1 = \chi_{6,0}$	2	.	.	1	.	.	1	.	1	.	.	1
$744_2 = \chi_{6,1}$	2	.	.	1	.	.	1	.	1	.	.	1
$1240_1 = \chi_{7,0}$	4	2	2	.	3	1	1	1	1	1	.	.
$1240_2 = \chi_{7,1}$	4	2	2	.	3	1	1	1	1	1	.	.
$2790_1 = \chi_{8+}$	6	1	2	.	2	1	1	1	2	.	.	.
$8370_1 = \chi_{10+}$	12	7	7	2	8	3	3	3	4	2	1	2
$4340_1 = \chi_{12,0}$	8	4	4	2	5	1	2	2	3	1	.	1
$4340_2 = \chi_{12,1}$	8	4	4	2	5	1	2	2	3	1	.	1
$4557_1 = \chi_{13,0}$	9	5	5	3	5	1	2	2	4	1	.	1
$4557_2 = \chi_{13,1}$	9	5	5	3	5	1	2	2	4	1	.	1
$5952_1 = \chi_{14,0}$	4	2	2	.	2	2	.	.	1	.	.	1
$5952_2 = \chi_{14,1}$	4	2	2	.	2	2	.	.	1	.	.	1
$6480_1 = \chi_{15,0}$	6	4	3	.	4	2	1	1	2	1	1	2
$6480_2 = \chi_{15,1}$	6	4	3	.	4	2	1	1	2	1	1	2
$9114_1 = \chi_{16,0}$	14	7	7	3	8	3	4	3	5	2	1	3
$9114_2 = \chi_{16,1}$	14	7	7	3	8	3	4	3	5	2	1	3
$9114_3 = \chi_{17,0}$	12	7	9	4	7	2	3	4	3	2	.	1
$9114_4 = \chi_{17,1}$	12	7	9	4	7	2	3	4	3	2	.	1
$9765_1 = \chi_{18,0}$	9	4	5	2	5	2	2	3	3	1	.	1
$9765_2 = \chi_{18,1}$	9	4	5	2	5	2	2	3	3	1	.	1
$19530_1 = \chi_{19+}$	16	7	9	4	8	2	5	6	4	2	.	.
$19530_2 = \chi_{21+}$	16	7	9	2	8	6	3	3	4	1	2	4
$19530_3 = \chi_{23+}$	16	6	7	4	8	3	5	3	4	.	1	2
$19530_4 = \chi_{25+}$	8	7	5	2	6	1	1	2	4	4	.	.
$9920_1 = \chi_{27,0}$	8	2	6	2	4	2	3	3	.	.	1	1
$9920_2 = \chi_{27,1}$	8	2	6	2	4	2	3	3	.	.	1	1
$22320_1 = \chi_{28+}$	18	7	9	4	10	4	6	3	2	1	1	4
$12555_1 = \chi_{30,0}$	9	5	6	2	5	3	2	3	3	1	1	2
$12555_2 = \chi_{30,1}$	9	5	6	2	5	3	2	3	3	1	1	2
$13020_1 = \chi_{31,0}$	12	6	6	1	7	4	2	2	4	1	1	3

(Block 1:)	φ_{20+}	φ_{22+}	φ_{24+}	$\varphi_{26,0}$	$\varphi_{27,0}$	φ_{28+}	φ_{30+}
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.
$62_1 = \chi_{2,0}$	.	.	.	.	.	.	.
$62_2 = \chi_{2,1}$	.	.	.	.	.	.	.
$217_1 = \chi_{3,0}$	.	.	.	.	.	.	.
$217_2 = \chi_{3,1}$	.	.	.	.	.	.	.
$588_1 = \chi_{4,0}$	.	.	.	.	.	.	.
$588_2 = \chi_{4,1}$	.	.	.	.	.	.	.
$651_1 = \chi_{5,0}$	.	.	.	.	.	.	.
$651_2 = \chi_{5,1}$	.	.	.	.	.	.	.
$744_1 = \chi_{6,0}$	.	.	.	.	.	.	.
$744_2 = \chi_{6,1}$	.	.	.	.	.	.	.
$1240_1 = \chi_{7,0}$	.	.	.	.	.	.	.
$1240_2 = \chi_{7,1}$	.	.	.	.	.	.	.
$2790_1 = \chi_{8+}$	.	.	1	.	.	.	.
$8370_1 = \chi_{10+}$	1	.	1	.	.	.	.
$4340_1 = \chi_{12,0}$	.	.	1	.	.	.	.
$4340_2 = \chi_{12,1}$	.	.	1	.	.	.	.
$4557_1 = \chi_{13,0}$	.	.	1	.	.	.	.
$4557_2 = \chi_{13,1}$	.	.	1	.	.	.	.
$5952_1 = \chi_{14,0}$	.	.	1	.	1	.	.
$5952_2 = \chi_{14,1}$	.	.	1	.	1	.	.
$6480_1 = \chi_{15,0}$	1	.	1	.	.	.	.
$6480_2 = \chi_{15,1}$	1	.	1	.	.	.	.
$9114_1 = \chi_{16,0}$	1	.	1	.	.	.	.
$9114_2 = \chi_{16,1}$	1	.	1	.	.	.	.
$9114_3 = \chi_{17,0}$	1	.	1	1	.	.	.
$9114_4 = \chi_{17,1}$	1	.	1	1	.	.	.
$9765_1 = \chi_{18,0}$	.	.	1	1	1	.	.
$9765_2 = \chi_{18,1}$	.	.	1	1	1	.	.
$19530_1 = \chi_{19+}$	1	.	1	2	.	1	.
$19530_2 = \chi_{21+}$	2	.	2	.	2	.	.
$19530_3 = \chi_{23+}$	1	1	2	.	.	1	.
$19530_4 = \chi_{25+}$	.	.	.	.	.	.	1
$9920_1 = \chi_{27,0}$	1	1	1	1	.	.	.
$9920_2 = \chi_{27,1}$	1	1	1	1	.	.	.
$22320_1 = \chi_{28+}$	2	1	2	.	.	1	.
$12555_1 = \chi_{30,0}$	1	.	1	1	1	.	.
$12555_2 = \chi_{30,1}$	1	.	1	1	1	.	.
$13020_1 = \chi_{31,0}$	1	.	2	.	1	.	.

(Block 1:)	$\varphi_{1,0}$	φ_{2+}	φ_{4+}	$\varphi_{6,0}$	$\varphi_{7,0}$	φ_{8+}	φ_{10+}	φ_{12+}	$\varphi_{14,0}$	φ_{15+}	φ_{17+}	$\varphi_{19,0}$
13020 ₂ = $\chi_{31,1}$	12	6	6	1	7	4	2	2	4	1	1	3
13671 ₁ = $\chi_{32,0}$	15	7	8	3	8	4	3	3	5	1	1	3
13671 ₂ = $\chi_{32,1}$	15	7	8	3	8	4	3	3	5	1	1	3
13671 ₃ = $\chi_{33,0}$	15	7	8	3	8	4	3	3	5	1	1	3
13671 ₄ = $\chi_{33,1}$	15	7	8	3	8	4	3	3	5	1	1	3
27342 ₁ = χ_{34+}	22	10	14	6	12	4	7	7	4	2	1	2
27342 ₂ = χ_{36+}	22	10	14	6	12	4	7	7	4	2	1	2
13888 ₁ = $\chi_{38,0}$	12	5	6	1	6	5	3	2	3	1	2	4
13888 ₂ = $\chi_{38,1}$	12	5	6	1	6	5	3	2	3	1	2	4
18228 ₁ = $\chi_{39,0}$	20	9	10	3	11	6	5	4	6	2	2	5
18228 ₂ = $\chi_{39,1}$	20	9	10	3	11	6	5	4	6	2	2	5
18816 ₁ = $\chi_{40,0}$	10	4	6	4	4	2	3	3	2	.	.	1
18816 ₂ = $\chi_{40,1}$	10	4	6	4	4	2	3	3	2	.	.	1
39690 ₁ = χ_{41+}	30	12	14	4	14	10	8	5	6	1	4	8
39690 ₂ = χ_{43+}	22	11	14	8	12	2	7	8	6	4	.	.
39690 ₃ = χ_{45+}	34	17	20	8	20	8	8	9	10	4	1	4
50220 ₁ = χ_{47+}	42	18	23	8	22	11	11	10	10	3	3	8
27342 ₃ = $\chi_{49,0}$	22	11	12	6	11	5	6	5	6	2	1	4
27342 ₄ = $\chi_{49,1}$	22	11	12	6	11	5	6	5	6	2	1	4
54684 ₁ = χ_{50+}	32	17	20	8	18	7	7	9	8	5	1	2
58590 ₁ = χ_{52+}	54	25	30	10	30	14	14	13	14	5	4	10
31744 ₁ = $\chi_{54,0}$	14	9	6	4	8	2	3	3	6	4	.	.
31744 ₂ = $\chi_{54,1}$	14	9	6	4	8	2	3	3	6	4	.	.
66960 ₁ = χ_{56+}	38	19	21	10	20	8	10	10	10	5	2	4
36456 ₁ = $\chi_{58,0}$	28	12	17	6	15	7	8	8	5	2	2	4
36456 ₂ = $\chi_{58,1}$	28	12	17	6	15	7	8	8	5	2	2	4
36456 ₃ = $\chi_{59,0}$	30	12	15	5	16	8	9	7	7	2	3	6
36456 ₄ = $\chi_{59,1}$	30	12	15	5	16	8	9	7	7	2	3	6
41664 ₁ = $\chi_{60,0}$	22	11	12	6	12	4	6	6	6	4	1	1
41664 ₂ = $\chi_{60,1}$	22	11	12	6	12	4	6	6	6	4	1	1

(Block 1:)	φ_{20+}	φ_{22+}	φ_{24+}	$\varphi_{26,0}$	$\varphi_{27,0}$	φ_{28+}	φ_{30+}	
13020 ₂ = $\chi_{31,1}$	1	.	2	.	1	.	.	
13671 ₁ = $\chi_{32,0}$	1	.	2	.	1	.	.	
13671 ₂ = $\chi_{32,1}$	1	.	2	.	1	.	.	
13671 ₃ = $\chi_{33,0}$	1	.	2	.	1	.	.	
13671 ₄ = $\chi_{33,1}$	1	.	2	.	1	.	.	
27342 ₁ = χ_{34+}	2	1	2	2	.	1	.	$\varphi_{1,0} = 1_1$
27342 ₂ = χ_{36+}	2	1	2	2	.	1	.	$\varphi_{2+} = 12_1$
13888 ₁ = $\chi_{38,0}$	2	.	1	.	1	.	.	$\varphi_{4+} = 30_1$
13888 ₂ = $\chi_{38,1}$	2	.	1	.	1	.	.	$\varphi_{6,0} = 20_1$
18228 ₁ = $\chi_{39,0}$	2	.	2	.	1	.	.	$\varphi_{7,0} = 34_1$
18228 ₂ = $\chi_{39,1}$	2	.	2	.	1	.	.	$\varphi_{8+} = 140_1$
18816 ₁ = $\chi_{40,0}$	1	.	1	1	1	1	.	$\varphi_{10+} = 168_1$
18816 ₂ = $\chi_{40,1}$	1	.	1	1	1	1	.	$\varphi_{12+} = 180_1$
39690 ₁ = χ_{41+}	4	1	3	.	2	1	.	$\varphi_{14,0} = 154_1$
39690 ₂ = χ_{43+}	1	1	1	2	.	1	1	$\varphi_{15+} = 408_1$
39690 ₃ = χ_{45+}	2	.	4	2	2	1	.	$\varphi_{17+} = 768_1$
50220 ₁ = χ_{47+}	4	1	5	2	2	1	.	$\varphi_{19,0} = 400_1$
27342 ₃ = $\chi_{49,0}$	2	.	2	1	1	1	.	$\varphi_{20+} = 1440_1$
27342 ₄ = $\chi_{49,1}$	2	.	2	1	1	1	.	$\varphi_{22+} = 1792_1$
54684 ₁ = χ_{50+}	2	1	3	2	2	1	1	$\varphi_{24+} = 1848_1$
58590 ₁ = χ_{52+}	5	1	6	2	2	1	.	$\varphi_{26,0} = 1960_1$
31744 ₁ = $\chi_{54,0}$	.	.	.	.	1	1	1	$\varphi_{27,0} = 3114_1$
31744 ₂ = $\chi_{54,1}$	.	.	.	.	1	1	1	$\varphi_{28+} = 7968_1$
66960 ₁ = χ_{56+}	3	1	3	2	2	2	1	$\varphi_{30+} = 16128_1$
36456 ₁ = $\chi_{58,0}$	3	1	3	2	1	1	.	
36456 ₂ = $\chi_{58,1}$	3	1	3	2	1	1	.	
36456 ₃ = $\chi_{59,0}$	3	1	3	1	1	1	.	
36456 ₄ = $\chi_{59,1}$	3	1	3	1	1	1	.	
41664 ₁ = $\chi_{60,0}$	1	1	1	1	1	1	1	
41664 ₂ = $\chi_{60,1}$	1	1	1	1	1	1	1	

Block 2:	$\varphi_{32,0}$
32768 ₁ = $\chi_{55,0}$	1
32768 ₂ = $\chi_{55,1}$	1

$$\varphi_{32,0} = 32768_1$$