

$O_8^-(2).2 \pmod{2}$

	blocks	defect	matrix
$G :$	1 2	13 1	58×11 2×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{6,0}$	φ_{7+}	$\varphi_{9,0}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{13,0}$	φ_{14+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.
$34_1 = \chi_{2,0}$	.	1	.	1	.	.	.	.	.	.	.
$34_2 = \chi_{2,1}$	.	1	.	1	.	.	.	.	.	.	.
$51_1 = \chi_{3,0}$	1	1	1	1	.	.	.	.	.	.	.
$51_2 = \chi_{3,1}$	1	1	1	1	.	.	.	.	.	.	.
$84_1 = \chi_{4,0}$	2	1	.	1	1	.	.	.	.	.	.
$84_2 = \chi_{4,1}$	2	1	.	1	1	.	.	.	.	.	.
$204_1 = \chi_{5,0}$	2	.	1	1	.	.	1	.	.	.	.
$204_2 = \chi_{5,1}$	2	.	1	1	.	.	1	.	.	.	.
$204_3 = \chi_{6,0}$	2	2	1	1	1	1	.	.	.	.	.
$204_4 = \chi_{6,1}$	2	2	1	1	1	1	.	.	.	.	.
$357_1 = \chi_{7,0}$	3	1	.	2	1	.	.	.	1	.	.
$357_2 = \chi_{7,1}$	3	1	.	2	1	.	.	.	1	.	.
$476_1 = \chi_{8,0}$	2	2	1	2	1	1	.	.	1	.	.
$476_2 = \chi_{8,1}$	2	2	1	2	1	1	.	.	1	.	.
$476_3 = \chi_{9,0}$	2	.	1	2	.	.	1	.	1	.	.
$476_4 = \chi_{9,1}$	2	.	1	2	.	.	1	.	1	.	.
$595_1 = \chi_{10,0}$	5	2	2	3	1	1	.	1	.	.	.
$595_2 = \chi_{10,1}$	5	2	2	3	1	1	.	1	.	.	.
$714_1 = \chi_{11,0}$	4	3	2	4	1	1	1	.	1	.	.
$714_2 = \chi_{11,1}$	4	3	2	4	1	1	1	.	1	.	.
$714_3 = \chi_{12,0}$	4	1	3	3	.	1	1	1	.	.	.
$714_4 = \chi_{12,1}$	4	1	3	3	.	1	1	1	.	.	.
$1020_1 = \chi_{13,0}$	6	1	2	4	1	1	1	1	1	.	.
$1020_2 = \chi_{13,1}$	6	1	2	4	1	1	1	1	1	.	.
$1071_1 = \chi_{14,0}$	7	2	3	5	1	1	1	1	1	.	.
$1071_2 = \chi_{14,1}$	7	2	3	5	1	1	1	1	1	.	.
$1071_3 = \chi_{15,0}$	7	2	3	5	1	1	1	1	1	.	.
$1071_4 = \chi_{15,1}$	7	2	3	5	1	1	1	1	1	.	.
$2142_1 = \chi_{16+}$	14	4	6	10	2	2	2	2	2	.	.
$1190_1 = \chi_{18,0}$	6	1	4	5	.	1	2	1	1	.	.
$1190_2 = \chi_{18,1}$	6	1	4	5	.	1	2	1	1	.	.
$1344_1 = \chi_{19,0}$	2	2	2	4	.	.	1	.	1	1	.
$1344_2 = \chi_{19,1}$	2	2	2	4	.	.	1	.	1	1	.
$1428_1 = \chi_{20,0}$	4	5	2	5	2	1	.	.	1	1	.
$1428_2 = \chi_{20,1}$	4	5	2	5	2	1	.	.	1	1	.
$4284_1 = \chi_{21+}$	12	6	9	10	2	4	4	2	2	.	1
$4284_2 = \chi_{23+}$	12	6	9	10	2	4	4	2	2	.	1
$2176_1 = \chi_{25,0}$	10	4	4	8	2	1	.	2	1	1	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{6,0}$	φ_{7+}	$\varphi_{9,0}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{13,0}$	φ_{14+}
$2176_2 = \chi_{25,1}$	10	4	4	8	2	1	.	2	1	1	.
$2295_1 = \chi_{26,0}$	9	5	4	9	2	1	1	1	2	1	.
$2295_2 = \chi_{26,1}$	9	5	4	9	2	1	1	1	2	1	.
$4590_1 = \chi_{27+}$	14	4	9	10	2	4	4	3	2	.	1
$5670_1 = \chi_{29+}$	18	6	12	14	2	5	6	3	4	.	1
$5670_2 = \chi_{31+}$	14	10	9	14	4	3	2	2	2	2	1
$2856_1 = \chi_{33,0}$	14	6	6	11	3	2	1	2	2	1	.
$2856_2 = \chi_{33,1}$	14	6	6	11	3	2	1	2	2	1	.
$2856_3 = \chi_{34,0}$	4	2	4	3	1	2	2	1	1	.	1
$2856_4 = \chi_{34,1}$	4	2	4	3	1	2	2	1	1	.	1
$3264_1 = \chi_{35,0}$	2	6	4	4	2	2	1	.	1	1	1
$3264_2 = \chi_{35,1}$	2	6	4	4	2	2	1	.	1	1	1
$4284_3 = \chi_{37,0}$	8	5	6	8	2	2	3	1	2	1	1
$4284_4 = \chi_{37,1}$	8	5	6	8	2	2	3	1	2	1	1
$4760_1 = \chi_{38,0}$	14	4	11	11	1	4	5	3	2	.	1
$4760_2 = \chi_{38,1}$	14	4	11	11	1	4	5	3	2	.	1
$5355_1 = \chi_{39,0}$	15	9	9	13	4	4	3	2	3	1	1
$5355_2 = \chi_{39,1}$	15	9	9	13	4	4	3	2	3	1	1

$$\begin{array}{ll}
\varphi_{1,0} = 1_1 & \varphi_{9,0} = 160_1 \\
\varphi_{2,0} = 8_1 & \varphi_{10+} = 320_1 \\
\varphi_{3+} = 16_1 & \varphi_{12,0} = 246_1 \\
\varphi_{5,0} = 26_1 & \varphi_{13,0} = 784_1 \\
\varphi_{6,0} = 48_1 & \varphi_{14+} = 1568_1 \\
\varphi_{7+} = 96_1 &
\end{array}$$

Block 2:	$\varphi_{16,0}$	
$4096_1 = \chi_{36,0}$	1	$\varphi_{16,0} = 4096_1$
$4096_2 = \chi_{36,1}$	1	