

$$O_8^+(2).3 \pmod{3}$$

	blocks	defect	matrix
$G:$	1	6	46×9
	2	1	3×2
	3	1	3×1
	4	1	3×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	φ_{3+}	$\varphi_{6,0}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{9,0}$	φ_{10+}	$\varphi_{17,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	1	.	.	.	.	.	.	.	.
$28_1 = \chi_{2,0}$	.	1	.	.	.	.	.	.	.
$28_2 = \chi_{2,1}$	.	1	.	.	.	.	.	.	.
$28_3 = \chi_{2,2}$	.	1	.	.	.	.	.	.	.
$105_1 = \chi_{3+}$	.	.	1	.	.	.	.	.	.
$50_1 = \chi_{6,0}$	2	.	.	1	.	.	.	.	.
$50_2 = \chi_{6,1}$	2	.	.	1	.	.	.	.	.
$50_3 = \chi_{6,2}$	2	.	.	1	.	.	.	.	.
$252_1 = \chi_{7+}$	3	.	1	3	.	.	.	.	.
$175_1 = \chi_{10,0}$	.	1	.	.	1	.	.	.	.
$175_2 = \chi_{10,1}$	.	1	.	.	1	.	.	.	.
$175_3 = \chi_{10,2}$	.	1	.	.	1	.	.	.	.
$630_1 = \chi_{11+}$	.	3	1	.	3	.	.	.	.
$300_1 = \chi_{14,0}$	.	.	1	1	1	.	.	.	.
$300_2 = \chi_{14,1}$	.	.	1	1	1	.	.	.	.
$300_3 = \chi_{14,2}$	.	.	1	1	1	.	.	.	.
$350_1 = \chi_{15,0}$	.	1	.	.	.	1	.	.	.
$350_2 = \chi_{15,1}$	.	1	.	.	.	1	.	.	.
$350_3 = \chi_{15,2}$	.	1	.	.	.	1	.	.	.
$525_1 = \chi_{16,0}$	.	1	.	.	.	.	1	.	.
$525_2 = \chi_{16,1}$	.	1	.	.	.	.	1	.	.
$525_3 = \chi_{16,2}$	.	1	.	.	.	.	1	.	.
$700_1 = \chi_{20,0}$	2	.	1	2	.	.	1	.	.
$700_2 = \chi_{20,1}$	2	.	1	2	.	.	1	.	.
$700_3 = \chi_{20,2}$	2	.	1	2	.	.	1	.	.
$2100_1 = \chi_{21+}$	.	.	1	.	3	.	.	1	.
$2520_1 = \chi_{24+}$	.	.	.	.	.	3	.	1	.
$3150_1 = \chi_{28+}$	.	.	1	.	.	.	3	1	.
$4032_1 = \chi_{31+}$	3	3	3	3	3	.	3	1	.
$1400_1 = \chi_{34,0}$	.	2	.	.	1	.	.	.	1
$1400_2 = \chi_{34,1}$	.	2	.	.	1	.	.	.	1
$1400_3 = \chi_{34,2}$	.	2	.	.	1	.	.	.	1
$4725_1 = \chi_{35+}$	.	6	.	.	.	3	.	.	3
$6300_1 = \chi_{38+}$	.	3	2	.	3	3	3	2	.
$6720_1 = \chi_{41+}$	.	6	.	.	3	3	.	1	3
$3200_1 = \chi_{50,0}$	2	1	1	1	1	1	2	1	.
$3200_2 = \chi_{50,1}$	2	1	1	1	1	1	2	1	.
$3200_3 = \chi_{50,2}$	2	1	1	1	1	1	2	1	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	φ_{3+}	$\varphi_{6,0}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{9,0}$	φ_{10+}	$\varphi_{17,0}$
$4096_1 = \chi_{51,0}$	1	2	.	.	1	2	1	1	1
$4096_2 = \chi_{51,1}$	1	2	.	.	1	2	1	1	1
$4096_3 = \chi_{51,2}$	1	2	.	.	1	2	1	1	1
$4200_1 = \chi_{52,0}$	.	3	1	.	3	1	1	1	1
$4200_2 = \chi_{52,1}$	.	3	1	.	3	1	1	1	1
$4200_3 = \chi_{52,2}$	.	3	1	.	3	1	1	1	1

$$\begin{array}{ll}
\varphi_{1,0} &= 1_1 \\
\varphi_{2,0} &= 28_1 \\
\varphi_{3+} &= 105_1 \\
\varphi_{6,0} &= 48_1 \\
\varphi_{7,0} &= 147_1
\end{array}
\qquad
\begin{array}{ll}
\varphi_{8,0} &= 322_1 \\
\varphi_{9,0} &= 497_1 \\
\varphi_{10+} &= 1554_1 \\
\varphi_{17,0} &= 1197_1
\end{array}$$

Block 2:	φ_{13+}	φ_{18+}	
$1701_1 = \chi_{17+}$	1	.	$\varphi_{13+} = 1701_1$
$6804_1 = \chi_{44+}$	.	1	$\varphi_{18+} = 6804_1$
$8505_1 = \chi_{47+}$	1	1	

Block 3:	$\varphi_{16,0}$	
$972_1 = \chi_{27,0}$	1	$\varphi_{16,0} = 972_1$
$972_2 = \chi_{27,1}$	1	
$972_3 = \chi_{27,2}$	1	

Block 4:	$\varphi_{21,0}$	
$6075_1 = \chi_{53,0}$	1	$\varphi_{21,0} = 6075_1$
$6075_2 = \chi_{53,1}$	1	
$6075_3 = \chi_{53,2}$	1	