

$J_3 \pmod{3}$

	blocks	defect	matrix
$3.G :$	1	6	$40 \times 8$
	2	2	$9 \times 2$
	3	1	$3 \times 1$
	4	1	$3 \times 1$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_9$
$1_1 = \chi_1$	1	.	.	.	.	.	.	.
$85_1 = \chi_2$	1	.	.	1	.	.	.	.
$85_2 = \chi_3$	1	.	.	.	1	.	.	.
$323_1 = \chi_4$	2	.	.	1	1	1	.	.
$323_2 = \chi_5$	2	.	.	1	1	.	1	.
$646_1 = \chi_7$	1	1	.	1	1	2	1	.
$646_2 = \chi_8$	1	.	1	1	1	1	2	.
$816_1 = \chi_9$	.	1	1	1	1	2	2	.
$1140_1 = \chi_{10}$	2	1	1	1	1	.	.	1
$1615_1 = \chi_{13}$	3	1	1	2	2	1	1	1
$1920_1 = \chi_{14}$	2	1	1	2	2	2	2	1
$1920_2 = \chi_{15}$	2	1	1	2	2	2	2	1
$1920_3 = \chi_{16}$	2	1	1	2	2	2	2	1
$1938_1 = \chi_{17}$	2	2	1	2	2	2	2	1
$1938_2 = \chi_{18}$	2	1	2	2	2	2	2	1
$2432_1 = \chi_{19}$	4	2	2	3	3	3	3	1
$18_1 = \chi_{22}$	.	1	.	.	.	.	.	.
$18_2 = \chi_{22}^{*11}$	.	1	.	.	.	.	.	.
$18_3 = \chi_{23}$	.	.	1	.	.	.	.	.
$18_4 = \chi_{23}^{*11}$	.	.	1	.	.	.	.	.
$153_1 = \chi_{24}$	.	.	.	.	.	1	.	.
$153_2 = \chi_{24}^{*11}$	.	.	.	.	.	1	.	.
$153_3 = \chi_{25}$	.	.	.	.	.	.	1	.
$153_4 = \chi_{25}^{*11}$	.	.	.	.	.	.	1	.
$171_1 = \chi_{26}$	3	.	.	1	1	.	.	.
$171_2 = \chi_{26}^{*2}$	3	.	.	1	1	.	.	.
$171_3 = \chi_{27}$	.	1	.	.	.	1	.	.
$171_4 = \chi_{27}^{*11}$	.	1	.	.	.	1	.	.
$171_5 = \chi_{28}$	.	.	1	.	.	.	1	.
$171_6 = \chi_{28}^{*11}$	.	.	1	.	.	.	1	.
$1530_1 = \chi_{32}$	2	1	1	1	2	1	1	1
$1530_2 = \chi_{32}^{*20}$	2	1	1	1	2	1	1	1
$1530_3 = \chi_{33}$	2	1	1	2	1	1	1	1
$1530_4 = \chi_{33}^{*20}$	2	1	1	2	1	1	1	1
$2736_1 = \chi_{34}$	2	2	2	3	3	4	4	1
$2736_2 = \chi_{34}^{*2}$	2	2	2	3	3	4	4	1
$2907_1 = \chi_{36}$	5	2	2	4	4	4	4	1
$2907_2 = \chi_{36}^{*2}$	5	2	2	4	4	4	4	1
$3060_1 = \chi_{37}$	4	2	2	3	3	2	2	2
$3060_2 = \chi_{37}^{*2}$	4	2	2	3	3	2	2	2

$$\begin{aligned}
\varphi_1 &= 1_1 \\
\varphi_2 &= 18_1 \\
\varphi_3 &= 18_2 \\
\varphi_4 &= 84_1 \\
\varphi_5 &= 84_2 \\
\varphi_6 &= 153_1 \\
\varphi_7 &= 153_2 \\
\varphi_9 &= 934_1
\end{aligned}$$

<b>Block 2:</b>	$\varphi_8$	$\varphi_{12}$
$324_1 = \chi_6$	1	.
$2754_1 = \chi_{20}$	.	1
$3078_1 = \chi_{21}$	1	1
$324_2 = \chi_{29}$	1	.
$324_3 = \chi_{29}^{*2}$	1	.
$2754_2 = \chi_{35}$	.	1
$2754_3 = \chi_{35}^{*2}$	.	1
$3078_2 = \chi_{38}$	1	1
$3078_3 = \chi_{38}^{*2}$	1	1

$$\begin{aligned}\varphi_8 &= 324_1 \\ \varphi_{12} &= 2754_1\end{aligned}$$

<b>Block 3:</b>	$\varphi_{10}$
$1215_1 = \chi_{11}$	1
$1215_3 = \chi_{30}$	1
$1215_4 = \chi_{30}^{*35}$	1

$$\varphi_{10} = 1215_1$$

<b>Block 4:</b>	$\varphi_{11}$
$1215_2 = \chi_{12}$	1
$1215_5 = \chi_{31}$	1
$1215_6 = \chi_{31}^{*35}$	1

$$\varphi_{11} = 1215_2$$