

## $J_3.2 \pmod{17}$

	blocks	defect	matrix
$G :$	1	1	$10 \times 8$
	2	1	$10 \times 8$
	3	0	$170_1 = \chi_{2+}, \varphi_{2+}$
	4	0	$646_1 = \chi_{4+}, \varphi_{4+}$
	5	0	$1292_1 = \chi_{7+}, \varphi_{8+}$
	6	0	$816_1 = \chi_{9,0}, \varphi_{11,0}$
	7	0	$816_2 = \chi_{9,1}, \varphi_{11,1}$
	8	0	$1615_1 = \chi_{13,0}, \varphi_{15,0}$
	9	0	$1615_2 = \chi_{13,1}, \varphi_{15,1}$
	10	0	$3876_1 = \chi_{17+}, \varphi_{17+}$

	blocks	defect	matrix
	11	0	$2754_1 = \chi_{20,0}, \varphi_{19,0}$
	12	0	$2754_2 = \chi_{20,1}, \varphi_{19,1}$
$3.G :$	13	1	$10 \times 8$
	14	0	$306_1 = \chi_{24+}, \varphi_{22+}$
	$15 = \overline{14}$	0	$306_2 = \chi_{25+}, \varphi_{23+}$
	16	0	$3060_1 = \chi_{32+}, \varphi_{29+}$
	17	0	$3060_2 = \chi_{33+}, \varphi_{30+}$
	18	0	$5508_1 = \chi_{35+}, \varphi_{32+}$
	19	0	$5814_1 = \chi_{36+}, \varphi_{33+}$
	20	0	$6120_1 = \chi_{37+}, \varphi_{34+}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{6,0}$	$\varphi_{7,0}$	$\varphi_{10,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$	$\varphi_{14,1}$	$\varphi_{16,0}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$324_1 = \chi_{6,0}$	.	1	.	.	.	.	.	.	$\varphi_{6,0} = 324_1$
$1140_1 = \chi_{10,0}$	.	.	1	1	.	.	.	.	$\varphi_{7,0} = 379_1$
$1215_2 = \chi_{11,1}$	.	.	1	.	1	.	.	.	$\varphi_{10,0} = 761_1$
$1215_4 = \chi_{12,1}$	.	.	1	.	1	.	.	.	$\varphi_{12,1} = 836_2$
$1920_1 = \chi_{14,0}$	.	1	.	.	.	.	1	.	$\varphi_{13,0} = 1159_1$
$1920_3 = \chi_{15,0}$	1	.	.	.	.	.	.	1	$\varphi_{14,1} = 1596_2$
$1920_5 = \chi_{16,0}$	.	.	.	1	.	1	.	.	$\varphi_{16,0} = 1919_1$
$2432_2 = \chi_{19,1}$	.	.	.	.	1	.	1	.	
$3078_1 = \chi_{21,0}$	.	.	.	.	.	1	.	1	

<b>Block 2:</b>	$\varphi_{1,1}$	$\varphi_{6,1}$	$\varphi_{7,1}$	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{16,1}$	
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	$\varphi_{1,1} = 1_2$
$324_2 = \chi_{6,1}$	.	1	.	.	.	.	.	.	$\varphi_{6,1} = 324_2$
$1140_2 = \chi_{10,1}$	.	.	1	1	.	.	.	.	$\varphi_{7,1} = 379_2$
$1215_1 = \chi_{11,0}$	.	.	1	.	1	.	.	.	$\varphi_{10,1} = 761_2$
$1215_3 = \chi_{12,0}$	.	.	1	.	1	.	.	.	$\varphi_{12,0} = 836_1$
$1920_2 = \chi_{14,1}$	.	1	.	.	.	.	1	.	$\varphi_{13,1} = 1159_2$
$1920_4 = \chi_{15,1}$	1	.	.	.	.	.	.	1	$\varphi_{14,0} = 1596_1$
$1920_6 = \chi_{16,1}$	.	.	.	1	.	1	.	.	$\varphi_{16,1} = 1919_2$
$2432_1 = \chi_{19,0}$	.	.	.	.	1	.	1	.	
$3078_2 = \chi_{21,1}$	.	.	.	.	.	1	.	1	

<b>Block 13:</b>	$\varphi_{20+}$	$\varphi_{21+}$	$\varphi_{24+}$	$\varphi_{25+}$	$\varphi_{26+}$	$\varphi_{27+}$	$\varphi_{28+}$	$\varphi_{31+}$
$36_1 = \chi_{22+}$	1	.	.	.	.	.	.	.
$36_2 = \chi_{23+}$	.	1	.	.	.	.	.	.
$342_1 = \chi_{26+}$	.	.	1	.	.	.	.	.
$342_2 = \chi_{27+}$	.	.	.	1	.	.	.	.
$342_3 = \chi_{28+}$	.	.	.	.	1	.	.	.
$648_1 = \chi_{29+}$	.	.	.	.	.	1	.	.
$2430_1 = \chi_{30+}$	.	.	1	.	.	.	1	.
$2430_2 = \chi_{31+}$	.	.	1	.	.	.	1	.
$5472_1 = \chi_{34+}$	1	1	.	1	1	1	.	1
$6156_1 = \chi_{38+}$	.	.	.	.	.	.	1	1

$$\begin{array}{ll}
\varphi_{20+} & = 36_1 & \varphi_{26+} & = 342_3 \\
\varphi_{21+} & = 36_2 & \varphi_{27+} & = 648_1 \\
\varphi_{24+} & = 342_1 & \varphi_{28+} & = 2088_1 \\
\varphi_{25+} & = 342_2 & \varphi_{31+} & = 4068_1
\end{array}$$