

# $A_{11} \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	8	$28 \times 7$
	2	7	$21 \times 7$

<b>Block 1:</b>	$\varphi_1$	$\varphi_5$	$\varphi_7$	$\varphi_8$	$\varphi_9$	$\varphi_{10}$	$\varphi_{11}$
$1_1 = \chi_1$	1	.	.	.	.	.	.
$44_1 = \chi_3$	.	1	.	.	.	.	.
$45_1 = \chi_4$	1	1	.	.	.	.	.
$165_1 = \chi_{10}$	1	.	.	1	.	.	.
$210_1 = \chi_{11}$	2	1	.	1	.	.	.
$231_1 = \chi_{12}$	1	1	.	.	1	.	.
$330_1 = \chi_{13}$	.	.	1	.	1	.	.
$385_1 = \chi_{14}$	1	.	.	.	1	1	.
$462_1 = \chi_{15}$	2	1	.	.	.	.	1
$550_1 = \chi_{16}$	2	.	.	1	1	1	.
$594_1 = \chi_{17}$	2	1	.	1	1	1	.
$660_1 = \chi_{20}$	2	1	.	.	.	1	1
$693_1 = \chi_{21}$	1	.	1	1	1	1	.
$825_1 = \chi_{22}$	3	1	.	1	.	1	1
$924_1 = \chi_{23}$	2	1	1	1	2	1	.
$990_2 = \chi_{25}$	2	1	1	.	1	1	1
$1155_1 = \chi_{27}$	3	1	1	1	1	1	1
$1540_1 = \chi_{30}$	4	1	1	1	2	2	1
$144_1 = \chi_{34}$	.	.	1	.	.	.	.
$528_1 = \chi_{35}$	2	.	.	2	.	1	.
$560_1 = \chi_{36}$	.	.	1	.	.	.	1
$616_1 = \chi_{37}$	2	.	.	.	.	1	1
$616_2 = \chi_{38}$	2	.	.	.	.	1	1
$672_1 = \chi_{39}$	4	2	.	1	.	.	1
$880_1 = \chi_{40}$	2	.	1	1	2	1	.
$880_2 = \chi_{41}$	2	.	1	1	2	1	.
$1584_3 = \chi_{48}$	4	2	1	1	2	2	1
$1584_4 = \chi_{49}$	4	2	1	1	2	2	1

$$\begin{aligned}
 \varphi_1 &= 1_1 \\
 \varphi_5 &= 44_1 \\
 \varphi_7 &= 144_1 \\
 \varphi_8 &= 164_1 \\
 \varphi_9 &= 186_1 \\
 \varphi_{10} &= 198_1 \\
 \varphi_{11} &= 416_1
 \end{aligned}$$

<b>Block 2:</b>	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_6$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$
$10_1 = \chi_2$	1	.	.	.	.	.	.
$110_1 = \chi_5$	1	.	.	1	.	.	.
$120_1 = \chi_6$	2	.	.	1	.	.	.
$126_1 = \chi_7$	1	1	.	1	.	.	.
$126_2 = \chi_8$	1	.	1	1	.	.	.
$132_1 = \chi_9$	.	1	1	1	.	.	.
$594_2 = \chi_{18}$	1	.	.	.	1	.	.
$594_3 = \chi_{19}$	1	.	.	.	.	1	.
$990_1 = \chi_{24}$	1	1	1	1	.	.	1
$1100_1 = \chi_{26}$	2	1	1	2	.	.	1
$1232_1 = \chi_{28}$	2	2	2	3	.	.	1
$1320_1 = \chi_{29}$	2	1	1	1	1	1	.
$2310_1 = \chi_{31}$	3	2	2	2	1	1	1
$16_1 = \chi_{32}$	.	1	.	.	.	.	.
$16_2 = \chi_{33}$	.	.	1	.	.	.	.
$1200_1 = \chi_{42}$	.	1	1	.	1	1	.
$1232_2 = \chi_{43}$	2	2	2	3	.	.	1
$1232_3 = \chi_{44}$	2	2	2	3	.	.	1
$1440_1 = \chi_{45}$	4	1	1	2	1	1	.
$1584_1 = \chi_{46}$	2	1	1	1	1	.	1
$1584_2 = \chi_{47}$	2	1	1	1	.	1	1

$$\begin{aligned}
\varphi_2 &= 10_1 \\
\varphi_3 &= 16_1 \\
\varphi_4 &= 16_2 \\
\varphi_6 &= 100_1 \\
\varphi_{12} &= 584_1 \\
\varphi_{13} &= 584_2 \\
\varphi_{14} &= 848_1
\end{aligned}$$