

# $A_{11} \pmod{3}$

	blocks	defect	matrix
$G :$	1	4	$22 \times 10$
	2	2	$6 \times 4$
	3	1	$3 \times 1$
$2.G :$	4	4	$12 \times 6$
	5	2	$6 \times 2$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_5$	$\varphi_6$	$\varphi_9$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{14}$	$\varphi_{15}$	
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	
$10_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.	
$44_1 = \chi_3$	.	1	1	.	.	.	.	.	.	.	
$110_1 = \chi_5$	1	.	.	1	.	.	.	.	.	.	
$120_1 = \chi_6$	.	.	.	.	1	.	.	.	.	.	
$132_1 = \chi_9$	1	.	.	.	.	1	.	.	.	.	$\varphi_1 = 1_1$
$165_1 = \chi_{10}$	.	.	1	.	.	1	.	.	.	.	$\varphi_2 = 10_1$
$210_1 = \chi_{11}$	.	.	.	.	.	.	1	.	.	.	$\varphi_3 = 34_1$
$231_1 = \chi_{12}$	2	.	.	1	1	.	.	.	.	.	$\varphi_5 = 109_1$
$330_1 = \chi_{13}$	.	1	.	.	.	.	.	1	.	.	$\varphi_6 = 120_1$
$385_1 = \chi_{14}$	.	1	1	.	.	1	1	.	.	.	$\varphi_9 = 131_1$
$462_1 = \chi_{15}$	1	.	.	.	1	1	1	.	.	.	$\varphi_{10} = 210_1$
$550_1 = \chi_{16}$	1	.	.	1	1	.	.	1	.	.	$\varphi_{11} = 320_1$
$660_1 = \chi_{20}$	.	1	.	.	1	.	1	1	.	.	$\varphi_{14} = 714_1$
$825_1 = \chi_{22}$	2	.	.	1	.	.	.	.	1	.	$\varphi_{15} = 791_1$
$924_1 = \chi_{23}$	.	.	.	.	.	.	1	.	1	.	
$1100_1 = \chi_{26}$	1	1	1	.	.	1	1	.	1	.	
$1155_1 = \chi_{27}$	.	1	1	.	.	.	.	1	.	1	
$1232_1 = \chi_{28}$	1	.	.	.	1	.	.	1	.	1	
$1320_1 = \chi_{29}$	2	.	1	1	1	1	1	.	1	.	
$1540_1 = \chi_{30}$	1	.	1	.	.	.	.	.	1	1	
$2310_1 = \chi_{31}$	2	1	1	1	1	.	1	1	1	1	

<b>Block 2:</b>	$\varphi_4$	$\varphi_7$	$\varphi_8$	$\varphi_{13}$	
$45_1 = \chi_4$	1	.	.	.	$\varphi_4 = 45_1$
$126_1 = \chi_7$	.	1	.	.	$\varphi_7 = 126_1$
$126_2 = \chi_8$	.	.	1	.	$\varphi_8 = 126_2$
$693_1 = \chi_{21}$	.	.	.	1	$\varphi_{13} = 693_1$
$990_1 = \chi_{24}$	1	1	1	1	
$990_2 = \chi_{25}$	1	1	1	1	

<b>Block 3:</b>	$\varphi_{12}$	
$594_1 = \chi_{17}$	1	$\varphi_{12} = 594_1$
$594_2 = \chi_{18}$	1	
$594_3 = \chi_{19}$	1	

<b>Block 4:</b>	$\varphi_{16}$	$\varphi_{17}$	$\varphi_{19}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$	
$16_1 = \chi_{32}$	1	.	.	.	.	.	$\varphi_{16} = 16_1$ $\varphi_{17} = 16_2$ $\varphi_{19} = 264_1$ $\varphi_{20} = 264_2$ $\varphi_{21} = 320_2$ $\varphi_{22} = 320_3$
$16_2 = \chi_{33}$	.	1	.	.	.	.	
$528_1 = \chi_{35}$	.	.	1	1	.	.	
$560_1 = \chi_{36}$	1	1	1	1	.	.	
$616_1 = \chi_{37}$	1	1	1	.	.	1	
$616_2 = \chi_{38}$	1	1	.	1	1	.	
$672_1 = \chi_{39}$	1	1	.	.	1	1	
$880_1 = \chi_{40}$	1	1	1	1	1	.	
$880_2 = \chi_{41}$	1	1	1	1	.	1	
$1200_1 = \chi_{42}$	1	1	1	1	1	1	
$1232_2 = \chi_{43}$	2	2	1	1	1	1	
$1232_3 = \chi_{44}$	2	2	1	1	1	1	

<b>Block 5:</b>	$\varphi_{18}$	$\varphi_{23}$	
$144_1 = \chi_{34}$	1	.	$\varphi_{18} = 144_1$ $\varphi_{23} = 1440_1$
$1440_1 = \chi_{45}$	.	1	
$1584_1 = \chi_{46}$	1	1	
$1584_2 = \chi_{47}$	1	1	
$1584_3 = \chi_{48}$	1	1	
$1584_4 = \chi_{49}$	1	1	