

$$S_{11} \pmod{2}$$

	blocks	defect	matrix
$2.G :$	1	9	$47 \times 7$
	2	8	$27 \times 5$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{5,0}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.
$44_1 = \chi_{3,0}$	.	1	.	.	.	.	.
$44_2 = \chi_{3,1}$	.	1	.	.	.	.	.
$45_1 = \chi_{4,0}$	1	1	.	.	.	.	.
$45_2 = \chi_{4,1}$	1	1	.	.	.	.	.
$165_1 = \chi_{10,0}$	1	.	.	1	.	.	.
$165_2 = \chi_{10,1}$	1	.	.	1	.	.	.
$210_1 = \chi_{11,0}$	2	1	.	1	.	.	.
$210_2 = \chi_{11,1}$	2	1	.	1	.	.	.
$231_1 = \chi_{12,0}$	1	1	.	.	1	.	.
$231_2 = \chi_{12,1}$	1	1	.	.	1	.	.
$330_1 = \chi_{13,0}$	.	.	1	.	1	.	.
$330_2 = \chi_{13,1}$	.	.	1	.	1	.	.
$385_1 = \chi_{14,0}$	1	.	.	.	1	1	.
$385_2 = \chi_{14,1}$	1	.	.	.	1	1	.
$462_1 = \chi_{15,0}$	2	1	.	.	.	.	1
$462_2 = \chi_{15,1}$	2	1	.	.	.	.	1
$550_1 = \chi_{16,0}$	2	.	.	1	1	1	.
$550_2 = \chi_{16,1}$	2	.	.	1	1	1	.
$594_1 = \chi_{17,0}$	2	1	.	1	1	1	.
$594_2 = \chi_{17,1}$	2	1	.	1	1	1	.
$660_1 = \chi_{20,0}$	2	1	.	.	.	1	1
$660_2 = \chi_{20,1}$	2	1	.	.	.	1	1
$693_1 = \chi_{21,0}$	1	.	1	1	1	1	.
$693_2 = \chi_{21,1}$	1	.	1	1	1	1	.
$825_1 = \chi_{22,0}$	3	1	.	1	.	1	1
$825_2 = \chi_{22,1}$	3	1	.	1	.	1	1
$924_1 = \chi_{23,0}$	2	1	1	1	2	1	.
$924_2 = \chi_{23,1}$	2	1	1	1	2	1	.
$990_3 = \chi_{25,0}$	2	1	1	.	1	1	1
$990_4 = \chi_{25,1}$	2	1	1	.	1	1	1
$1155_1 = \chi_{27,0}$	3	1	1	1	1	1	1
$1155_2 = \chi_{27,1}$	3	1	1	1	1	1	1
$1540_1 = \chi_{30,0}$	4	1	1	1	2	2	1
$1540_2 = \chi_{30,1}$	4	1	1	1	2	2	1
$144_1 = \chi_{34,0}$	.	.	1	.	.	.	.
$144_2 = \chi_{34,1}$	.	.	1	.	.	.	.
$528_1 = \chi_{35,0}$	2	.	.	2	.	1	.
$528_2 = \chi_{35,1}$	2	.	.	2	.	1	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{5,0}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	
$560_1 = \chi_{36,0}$	.	.	1	.	.	.	1	$\varphi_{1,0} = 1_1$
$560_2 = \chi_{36,1}$	.	.	1	.	.	.	1	$\varphi_{5,0} = 44_1$
$1232_3 = \chi_{37+}$	4	.	.	.	.	2	2	$\varphi_{7,0} = 144_1$
$672_1 = \chi_{39,0}$	4	2	.	1	.	.	1	$\varphi_{8,0} = 164_1$
$672_2 = \chi_{39,1}$	4	2	.	1	.	.	1	$\varphi_{9,0} = 186_1$
$1760_1 = \chi_{40+}$	4	.	2	2	4	2	.	$\varphi_{10,0} = 198_1$
$3168_2 = \chi_{48+}$	8	4	2	2	4	4	2	$\varphi_{11,0} = 416_1$

Block 2:	$\varphi_{2,0}$	$\varphi_{3+}$	$\varphi_{6,0}$	$\varphi_{12+}$	$\varphi_{14,0}$	
$10_1 = \chi_{2,0}$	1	.	.	.	.	
$10_2 = \chi_{2,1}$	1	.	.	.	.	
$110_1 = \chi_{5,0}$	1	.	1	.	.	
$110_2 = \chi_{5,1}$	1	.	1	.	.	
$120_1 = \chi_{6,0}$	2	.	1	.	.	
$120_2 = \chi_{6,1}$	2	.	1	.	.	
$252_1 = \chi_{7+}$	2	1	2	.	.	
$132_1 = \chi_{9,0}$	.	1	1	.	.	
$132_2 = \chi_{9,1}$	.	1	1	.	.	
$1188_1 = \chi_{18+}$	2	.	.	1	.	
$990_1 = \chi_{24,0}$	1	1	1	.	1	$\varphi_{2,0} = 10_1$
$990_2 = \chi_{24,1}$	1	1	1	.	1	$\varphi_{3+} = 32_1$
$1100_1 = \chi_{26,0}$	2	1	2	.	1	$\varphi_{6,0} = 100_1$
$1100_2 = \chi_{26,1}$	2	1	2	.	1	$\varphi_{12+} = 1168_1$
$1232_1 = \chi_{28,0}$	2	2	3	.	1	$\varphi_{14,0} = 848_1$
$1232_2 = \chi_{28,1}$	2	2	3	.	1	
$1320_1 = \chi_{29,0}$	2	1	1	1	.	
$1320_2 = \chi_{29,1}$	2	1	1	1	.	
$2310_1 = \chi_{31,0}$	3	2	2	1	1	
$2310_2 = \chi_{31,1}$	3	2	2	1	1	
$32_1 = \chi_{32+}$	.	1	.	.	.	
$1200_1 = \chi_{42,0}$	.	1	.	1	.	
$1200_2 = \chi_{42,1}$	.	1	.	1	.	
$2464_1 = \chi_{43+}$	4	4	6	.	2	
$1440_1 = \chi_{45,0}$	4	1	2	1	.	
$1440_2 = \chi_{45,1}$	4	1	2	1	.	
$3168_1 = \chi_{46+}$	4	2	2	1	2	