S_{11} (mod 11)

	blocks	defect	matrix
$G:$	1	1	11×10
	2	0	$44_1 = \chi_{3,0}, \varphi_{4,0}$
	3	0	$44_2 = \chi_{3,1}, \varphi_{4,1}$
	4	0	$110_1 = \chi_{5,0}, \varphi_{6,0}$
	5	0	$110_2 = \chi_{5,1}, \varphi_{6,1}$
	6	0	$132_1 = \chi_{9,0}, \varphi_{8,0}$
	7	0	$132_2 = \chi_{9,1}, \varphi_{8,1}$
	8	0	$165_1 = \chi_{10,0}, \varphi_{9,0}$
	9	0	$165_2 = \chi_{10,1}, \varphi_{9,1}$
	10	0	$231_1 = \chi_{12,0}, \varphi_{10,0}$
	11	0	$231_2 = \chi_{12,1}, \varphi_{10,1}$
	12	0	$330_1 = \chi_{13,0}, \varphi_{11,0}$
	13	0	$330_2 = \chi_{13,1}, \varphi_{11,1}$
	14	0	$385_1 = \chi_{14,0}, \varphi_{12,0}$
	15	0	$385_2 = \chi_{14,1}, \varphi_{12,1}$
	16	0	$462_1 = \chi_{15,0}, \varphi_{13,0}$
	17	0	$462_2 = \chi_{15,1}, \varphi_{13,1}$
	18	0	$550_1 = \chi_{16,0}, \varphi_{14,0}$
	19	0	$550_2 = \chi_{16,1}, \varphi_{14,1}$
	20	0	$594_1 = \chi_{17,0}, \varphi_{15,0}$
	21	0	$594_2 = \chi_{17,1}, \varphi_{15,1}$
	22	0	$1188_1 = \chi_{18+}, \varphi_{16+}$
	23	0	$660_1 = \chi_{20,0}, \varphi_{18,0}$
	24	0	$660_2 = \chi_{20,1}, \varphi_{18,1}$
	25	0	$693_1 = \chi_{21,0}, \varphi_{19,0}$
	26	0	$693_2 = \chi_{21,1}, \varphi_{19,1}$
	27	0	$825_1 = \chi_{22,0}, \varphi_{20,0}$

	blocks	defect	matrix
	28	0	$825_2 = \chi_{22,1}, \varphi_{20,1}$
	29	0	$924_1 = \chi_{23,0}, \varphi_{21,0}$
	30	0	$924_2 = \chi_{23,1}, \varphi_{21,1}$
	31	0	$990_1 = \chi_{24,0}, \varphi_{22,0}$
	32	0	$990_2 = \chi_{24,1}, \varphi_{22,1}$
	33	0	$990_3 = \chi_{25,0}, \varphi_{23,0}$
	34	0	$990_4 = \chi_{25,1}, \varphi_{23,1}$
	35	0	$1100_1 = \chi_{26,0}, \varphi_{24,0}$
	36	0	$1100_2 = \chi_{26,1}, \varphi_{24,1}$
	37	0	$1155_1 = \chi_{27,0}, \varphi_{25,0}$
	38	0	$1155_2 = \chi_{27,1}, \varphi_{25,1}$
	39	0	$1232_1 = \chi_{28,0}, \varphi_{26,0}$
	40	0	$1232_2 = \chi_{28,1}, \varphi_{26,1}$
	41	0	$1320_1 = \chi_{29,0}, \varphi_{27,0}$
	42	0	$1320_2 = \chi_{29,1}, \varphi_{27,1}$
	43	0	$1540_1 = \chi_{30,0}, \varphi_{28,0}$
	44	0	$1540_2 = \chi_{30,1}, \varphi_{28,1}$
	45	0	$2310_1 = \chi_{31,0}, \varphi_{29,0}$
	46	0	$2310_2 = \chi_{31,1}, \varphi_{29,1}$
$2.G:$	47	1	11×10
	48	0	$528_1 = \chi_{35,0}, \varphi_{33,0}$
	$49 = \overline{48}$	0	$528_2 = \chi_{35,1}, \varphi_{33,1}$
	50	0	$1232_3 = \chi_{37+}, \varphi_{34+}$
	51	0	$1760_1 = \chi_{40+}, \varphi_{38+}$
	52	0	$2464_1 = \chi_{43+}, \varphi_{40+}$
	53	0	$3168_1 = \chi_{46+}, \varphi_{42+}$
	54	0	$3168_2 = \chi_{48+}, \varphi_{44+}$

Block 1:

	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$10_1 = \chi_{2,0}$	1	.	1	.	.	.	.	.	.	.
$10_2 = \chi_{2,1}$	.	1	.	1	.	.	.	.	.	.
$45_1 = \chi_{4,0}$	.	.	1	.	1	.	.	.	.	.
$45_2 = \chi_{4,1}$	.	.	.	1	.	1	.	.	.	.
$120_1 = \chi_{6,0}$	.	.	.	.	1	.	1	.	.	.
$120_2 = \chi_{6,1}$	.	.	.	.	.	1	.	1	.	.
$252_1 = \chi_{7+}$	.	.	.	.	.	.	.	.	1	1
$210_1 = \chi_{11,0}$	.	.	.	.	.	.	1	.	1	.
$210_2 = \chi_{11,1}$	.	.	.	.	.	.	.	1	.	1

$$
\begin{array}{lcl \qquad lcl}
\varphi_{1,0} & = & 1_1 & \qquad \varphi_{3,1} & = & 36_2 \\
\varphi_{1,1} & = & 1_2 & \qquad \varphi_{5,0} & = & 84_1 \\
\varphi_{2,0} & = & 9_1 & \qquad \varphi_{5,1} & = & 84_2 \\
\varphi_{2,1} & = & 9_2 & \qquad \varphi_{7,0} & = & 126_1 \\
\varphi_{3,0} & = & 36_1 & \qquad \varphi_{7,1} & = & 126_2 \\
\end{array}
$$

Block 47:

	$\varphi_{30,0}$	$\varphi_{30,1}$	$\varphi_{31,0}$	$\varphi_{31,1}$	$\varphi_{32,0}$	$\varphi_{32,1}$	$\varphi_{36,0}$	$\varphi_{36,1}$	$\varphi_{37,0}$	$\varphi_{37,1}$
$32_1 = \chi_{32+}$	1	1	.	.	.	.	.	.	.	.
$144_1 = \chi_{34,0}$	1	.	1	.	.	.	.	.	.	.
$144_2 = \chi_{34,1}$	.	1	.	1	.	.	.	.	.	.
$560_1 = \chi_{36,0}$	.	.	1	.	1	.	.	.	.	.
$560_2 = \chi_{36,1}$	.	.	.	1	.	1	.	.	.	.
$672_1 = \chi_{39,0}$	.	.	.	.	.	.	1	.	.	.
$672_2 = \chi_{39,1}$	.	.	.	.	.	.	.	1	.	.
$1200_1 = \chi_{42,0}$	.	.	.	.	1	.	.	.	1	.
$1200_2 = \chi_{42,1}$	.	.	.	.	.	1	.	.	.	1
$1440_1 = \chi_{45,0}$	.	.	.	.	.	.	1	.	1	.
$1440_2 = \chi_{45,1}$	.	.	.	.	.	.	.	1	.	1

$$
\begin{array}{lcl \qquad lcl}
\varphi_{30,0} & = & 16_1 & \qquad \varphi_{32,1} & = & 432_2 \\
\varphi_{30,1} & = & 16_2 & \qquad \varphi_{36,0} & = & 672_1 \\
\varphi_{31,0} & = & 128_1 & \qquad \varphi_{36,1} & = & 672_2 \\
\varphi_{31,1} & = & 128_2 & \qquad \varphi_{37,0} & = & 768_1 \\
\varphi_{32,0} & = & 432_1 & \qquad \varphi_{37,1} & = & 768_2 \\
\end{array}
$$