

$$A_{13} \pmod{11}$$

	blocks	defect	matrix
$G :$	1	1	11×10
	2	0	$66_1 = \chi_4, \varphi_4$
	3	0	$220_1 = \chi_6, \varphi_6$
	4	0	$429_1 = \chi_7, \varphi_7$
	5	0	$429_2 = \chi_8, \varphi_8$
	6	0	$429_3 = \chi_9, \varphi_9$
	7	0	$462_1 = \chi_{10}, \varphi_{10}$
	8	0	$462_2 = \chi_{11}, \varphi_{11}$
	9	0	$495_1 = \chi_{12}, \varphi_{12}$
	10	0	$572_1 = \chi_{13}, \varphi_{13}$
	11	0	$792_1 = \chi_{14}, \varphi_{14}$
	12	0	$1287_1 = \chi_{16}, \varphi_{17}$
	13	0	$1430_1 = \chi_{18}, \varphi_{18}$
	14	0	$2574_1 = \chi_{19}, \varphi_{19}$
	15	0	$2574_2 = \chi_{20}, \varphi_{20}$
	16	0	$2860_1 = \chi_{21}, \varphi_{22}$
	17	0	$3003_1 = \chi_{22}, \varphi_{23}$
	18	0	$3432_1 = \chi_{23}, \varphi_{25}$
	19	0	$3432_2 = \chi_{24}, \varphi_{26}$
	20	0	$3432_3 = \chi_{25}, \varphi_{27}$
	21	0	$3575_1 = \chi_{26}, \varphi_{28}$
	22	0	$4004_1 = \chi_{28}, \varphi_{29}$
	23	0	$4290_1 = \chi_{30}, \varphi_{30}$
	24	0	$4290_2 = \chi_{31}, \varphi_{31}$
	$25 = \overline{24}$	0	$4290_3 = \chi_{32}, \varphi_{32}$
	26	0	$5005_1 = \chi_{33}, \varphi_{35}$
	27	0	$5148_1 = \chi_{34}, \varphi_{36}$
	28	0	$5720_1 = \chi_{35}, \varphi_{37}$
	29	0	$6006_1 = \chi_{36}, \varphi_{38}$
	30	0	$6435_1 = \chi_{37}, \varphi_{39}$
	31	0	$6864_1 = \chi_{38}, \varphi_{40}$
	32	0	$8008_1 = \chi_{41}, \varphi_{41}$
	$33 = \overline{32}$	0	$8008_2 = \chi_{42}, \varphi_{42}$
	34	0	$8580_1 = \chi_{43}, \varphi_{43}$
	35	0	$9009_1 = \chi_{44}, \varphi_{44}$
	36	0	$10296_1 = \chi_{46}, \varphi_{45}$
	37	0	$11440_1 = \chi_{47}, \varphi_{46}$
	38	0	$11583_1 = \chi_{48}, \varphi_{47}$
	39	0	$12012_1 = \chi_{49}, \varphi_{48}$
	40	0	$12012_2 = \chi_{50}, \varphi_{49}$

	blocks	defect	matrix
	41	0	$12870_1 = \chi_{51}, \varphi_{50}$
	42	0	$15015_1 = \chi_{52}, \varphi_{51}$
	43	0	$17160_1 = \chi_{53}, \varphi_{52}$
	44	0	$20592_1 = \chi_{54}, \varphi_{53}$
	45	0	$21450_1 = \chi_{55}, \varphi_{54}$
$2.G :$	46	1	11×10
	47	0	$352_1 = \chi_{58}, \varphi_{57}$
	48	0	$4224_1 = \chi_{62}, \varphi_{62}$
	49	0	$4576_1 = \chi_{63}, \varphi_{63}$
	50	0	$4928_1 = \chi_{64}, \varphi_{64}$
	51	0	$8800_1 = \chi_{65}, \varphi_{65}$
	52	0	$9152_1 = \chi_{66}, \varphi_{66}$
	53	0	$9152_2 = \chi_{67}, \varphi_{67}$
	$54 = \overline{53}$	0	$9152_3 = \chi_{68}, \varphi_{68}$
	55	0	$9152_4 = \chi_{69}, \varphi_{69}$
	$56 = \overline{55}$	0	$9152_5 = \chi_{70}, \varphi_{70}$
	57	0	$9504_1 = \chi_{71}, \varphi_{71}$
	58	0	$13728_1 = \chi_{76}, \varphi_{76}$
	59	0	$13728_2 = \chi_{77}, \varphi_{77}$
	$60 = \overline{59}$	0	$13728_3 = \chi_{78}, \varphi_{78}$
	61	0	$16016_1 = \chi_{79}, \varphi_{79}$
	$62 = \overline{61}$	0	$16016_2 = \chi_{80}, \varphi_{80}$

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_{15}	φ_{16}	φ_{21}	φ_{24}	φ_{33}	φ_{34}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.
$12_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.
$65_1 = \chi_3$	.	1	1	.	.	.	.	.	.	.
$208_1 = \chi_5$	1	.	.	1	.	.	.	.	.	.
$936_1 = \chi_{15}$	.	.	1	.	1	.	.	.	.	.
$1365_1 = \chi_{17}$	.	.	.	1	.	1	.	.	.	.
$3640_1 = \chi_{27}$	.	.	.	.	1	.	1	.	.	.
$4212_1 = \chi_{29}$	.	.	.	.	.	1	.	1	.	.
$7371_1 = \chi_{39}$	.	.	.	.	.	.	1	.	1	.
$7800_1 = \chi_{40}$	.	.	.	.	.	.	.	1	.	1
$9360_1 = \chi_{45}$	.	.	.	.	.	.	.	.	1	1

φ_1	=	1_1
φ_2	=	12_1
φ_3	=	53_1
φ_5	=	207_1
φ_{15}	=	883_1
φ_{16}	=	1158_1
φ_{21}	=	2757_1
φ_{24}	=	3054_1
φ_{33}	=	4614_1
φ_{34}	=	4746_1

Block 46:	φ_{55}	φ_{56}	φ_{58}	φ_{59}	φ_{60}	φ_{61}	φ_{72}	φ_{73}	φ_{74}	φ_{75}
$32_1 = \chi_{56}$	1	.	.	.	.	.	.	.	.	.
$32_2 = \chi_{57}$	.	1	.	.	.	.	.	.	.	.
$1728_1 = \chi_{59}$	1	1	1	1	.	.	.	.	.	.
$2496_1 = \chi_{60}$	.	.	1	.	1	.	.	.	.	.
$2496_2 = \chi_{61}$	.	.	.	1	.	1	.	.	.	.
$11232_1 = \chi_{72}$	.	.	.	.	1	.	1	.	.	.
$11232_2 = \chi_{73}$	.	.	.	.	.	1	.	1	.	.
$11232_3 = \chi_{74}$	.	.	.	.	.	.	.	.	1	.
$11232_4 = \chi_{75}$	.	.	.	.	.	.	.	.	.	1
$20800_1 = \chi_{81}$	.	.	.	.	.	.	1	.	1	.
$20800_2 = \chi_{82}$	.	.	.	.	.	.	.	1	.	1

$$\begin{aligned}
\varphi_{55} &= 32_1 \\
\varphi_{56} &= 32_2 \\
\varphi_{58} &= 832_1 \\
\varphi_{59} &= 832_2 \\
\varphi_{60} &= 1664_1 \\
\varphi_{61} &= 1664_2 \\
\varphi_{72} &= 9568_1 \\
\varphi_{73} &= 9568_2 \\
\varphi_{74} &= 11232_1 \\
\varphi_{75} &= 11232_2
\end{aligned}$$