$A_{13}.2 \pmod{11}$

	blocks	defect	matrix		blocks	defect	matrix
G:	1	1	11 × 10		41	0	$4004_2 = \chi_{28,1}, \varphi_{29,1}$
	2	1	11×10		42	0	$4290_1 = \chi_{30,0}, \varphi_{30,0}$
	3	0	$66_1 = \chi_{4,0}, \varphi_{4,0}$		43	0	$4290_2 = \chi_{30,1}, \varphi_{30,1}$
	4	0	$66_2 = \chi_{4,1}, \varphi_{4,1}$		44	0	$8580_1 = \chi_{31+}, \varphi_{31+}$
	5	0	$220_1 = \chi_{6,0}, \varphi_{6,0}$		45	0	$5005_1 = \chi_{33,0}, \varphi_{35,0}$
	6	0	$220_2 = \chi_{6,1}, \varphi_{6,1}$		46	0	$5005_2 = \chi_{33,1}, \varphi_{35,1}$
	7	0	$429_1 = \chi_{7,0}, \varphi_{7,0}$		47	0	$5148_1 = \chi_{34,0}, \varphi_{36,0}$
	8	0	$429_2 = \chi_{7,1}, \varphi_{7,1}$		48	0	$5148_2 = \chi_{34,1}, \varphi_{36,1}$
	9	0	$429_3 = \chi_{8,0}, \varphi_{8,0}$		49	0	$5720_1 = \chi_{35,0}, \varphi_{37,0}$
	10	0	$429_4 = \chi_{8,1}, \varphi_{8,1}$		50	0	$5720_2 = \chi_{35,1}, \varphi_{37,1}$
	11	0	$429_5 = \chi_{9,0}, \varphi_{9,0}$		51	0	$6006_1 = \chi_{36,0}, \varphi_{38,0}$
	12	0	$429_6 = \chi_{9,1}, \varphi_{9,1}$		52	0	$6006_2 = \chi_{36,1}, \varphi_{38,1}$
	13	0	$924_1 = \chi_{10+}, \varphi_{10+}$		53	0	$6435_1 = \chi_{37,0}, \varphi_{39,0}$
	14	0	$495_1 = \chi_{12,0}, \varphi_{12,0}$		54	0	$6435_2 = \chi_{37,1}, \varphi_{39,1}$
	15	0	$495_2 = \chi_{12,1}, \varphi_{12,1}$		55	0	$6864_1 = \chi_{38,0}, \varphi_{40,0}$
	16	0	$572_1 = \chi_{13,0}, \varphi_{13,0}$		56	0	$6864_2 = \chi_{38,1}, \varphi_{40,1}$
	17	0	$572_2 = \chi_{13,1}, \varphi_{13,1}$		57	0	$16016_1 = \chi_{41+}, \varphi_{41+}$
	18	0	$792_1 = \chi_{14,0}, \varphi_{14,0}$		58	0	$8580_2 = \chi_{43,0}, \varphi_{43,0}$
	19	0	$792_2 = \chi_{14,1}, \varphi_{14,1}$		59	0	$8580_3 = \chi_{43,1}, \varphi_{43,1}$
	20	0	$1287_1 = \chi_{16,0}, \varphi_{17,0}$		60	0	$9009_1 = \chi_{44,0}, \varphi_{44,0}$
	21	0	$1287_2 = \chi_{16,1}, \varphi_{17,1}$		61	0	$9009_2 = \chi_{44,1}, \varphi_{44,1}$
	22	0	$1430_1 = \chi_{18,0}, \varphi_{18,0}$		62	0	$10296_1 = \chi_{46,0}, \varphi_{45,0}$
	23	0	$1430_2 = \chi_{18,1}, \varphi_{18,1}$		63	0	$10296_2 = \chi_{46,1}, \varphi_{45,1}$
	24	0	$2574_1 = \chi_{19,0}, \varphi_{19,0}$		64	0	$11440_1 = \chi_{47,0}, \varphi_{46,0}$
	25	0	$2574_2 = \chi_{19,1}, \varphi_{19,1}$		65	0	$11440_2 = \chi_{47,1}, \varphi_{46,1}$
	26	0	$2574_3 = \chi_{20,0}, \varphi_{20,0}$		66	0	$11583_1 = \chi_{48,0}, \varphi_{47,0}$
	27	0	$2574_4 = \chi_{20,1}, \varphi_{20,1}$		67	0	$11583_2 = \chi_{48,1}, \varphi_{47,1}$
	28	0	$2860_1 = \chi_{21,0}, \varphi_{22,0}$		68	0	$12012_1 = \chi_{49,0}, \varphi_{48,0}$
	29	0	$2860_2 = \chi_{21,1}, \varphi_{22,1}$		69	0	$12012_2 = \chi_{49,1}, \varphi_{48,1}$
	30	0	$3003_1 = \chi_{22,0}, \varphi_{23,0}$		70	0	$12012_3 = \chi_{50,0}, \varphi_{49,0}$
	31	0	$3003_2 = \chi_{22,1}, \varphi_{23,1}$		71	0	$12012_4 = \chi_{50,1}, \varphi_{49,1}$
	32	0	$3432_1 = \chi_{23,0}, \varphi_{25,0}$		72	0	$12870_1 = \chi_{51,0}, \varphi_{50,0}$
	33	0	$3432_2 = \chi_{23,1}, \varphi_{25,1}$		73	0	$12870_2 = \chi_{51,1}, \varphi_{50,1}$
	34	0	$3432_3 = \chi_{24,0}, \varphi_{26,0}$		74	0	$15015_1 = \chi_{52,0}, \varphi_{51,0}$
	35	0	$3432_4 = \chi_{24,1}, \varphi_{26,1}$		75	0	$15015_2 = \chi_{52,1}, \varphi_{51,1}$
	36	0	$3432_5 = \chi_{25,0}, \varphi_{27,0}$		76	0	$17160_1 = \chi_{53,0}, \varphi_{52,0}$
	37	0	$3432_6 = \chi_{25,1}, \varphi_{27,1}$		77	0	$17160_2 = \chi_{53,1}, \varphi_{52,1}$
	38	0	$3575_1 = \chi_{26,0}, \varphi_{28,0}$		78	0	$20592_1 = \chi_{54,0}, \varphi_{53,0}$
	39	0	$3575_2 = \chi_{26,1}, \varphi_{28,1}$		79	0	$20592_2 = \chi_{54,1}, \varphi_{53,1}$
	40	0	$4004_1 = \chi_{28,0}, \varphi_{29,0}$		80	0	$21450_1 = \chi_{55,0}, \varphi_{54,0}$

	blocks	defect	matrix
	81	0	$21450_2 = \chi_{55,1}, \varphi_{54,1}$
2.G:	82	1	7×5
	83	0	$352_1 = \chi_{58,0}, \varphi_{57,0}$
	$84 = \overline{83}$	0	$352_2 = \chi_{58,1}, \varphi_{57,1}$
	85	0	$4224_1 = \chi_{62,0}, \varphi_{62,0}$
	$86 = \overline{85}$	0	$4224_2 = \chi_{62,1}, \varphi_{62,1}$
	87	0	$4576_1 = \chi_{63,0}, \varphi_{63,0}$
	88	0	$4576_2 = \chi_{63,1}, \varphi_{63,1}$
	89	0	$4928_1 = \chi_{64,0}, \varphi_{64,0}$
	$90 = \overline{89}$	0	$4928_2 = \chi_{64,1}, \varphi_{64,1}$
	91	0	$8800_1 = \chi_{65,0}, \varphi_{65,0}$
	$92 = \overline{91}$	0	$8800_2 = \chi_{65,1}, \varphi_{65,1}$
	93	0	$9152_1 = \chi_{66,0}, \varphi_{66,0}$
	94	0	$9152_2 = \chi_{66,1}, \varphi_{66,1}$
	95	0	$18304_1 = \chi_{67+}, \varphi_{67+}$
	96	0	$18304_2 = \chi_{69+}, \varphi_{69+}$
	97	0	$9504_1 = \chi_{71,0}, \varphi_{71,0}$
	$98 = \overline{97}$	0	$9504_2 = \chi_{71,1}, \varphi_{71,1}$
	99	0	$13728_1 = \chi_{76,0}, \varphi_{76,0}$
	100	0	$13728_2 = \chi_{76,1}, \varphi_{76,1}$
	101	0	$27456_1 = \chi_{77+}, \varphi_{77+}$
	102	0	$32032_1 = \chi_{79+}, \varphi_{79+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{2,1}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{21,1}$	$\varphi_{24,0}$	$\varphi_{33,1}$	$\varphi_{34,0}$
$1_1 = \chi_{1,0}$	1									
$12_2 = \chi_{2,1}$		1								
$65_2 = \chi_{3,1}$		1	1							
$208_1 = \chi_{5,0}$	1			1				•		
$936_2 = \chi_{15,1}$			1		1					
$1365_1 = \chi_{17,0}$				1		1				
$3640_2 = \chi_{27,1}$					1		1			
$4212_1 = \chi_{29,0}$						1		1		
$7371_2 = \chi_{39,1}$							1		1	
$7800_1 = \chi_{40,0}$								1		1
$9360_1 = \chi_{45,0}$									1	1

$\varphi_{1,0}$	=	1_1	$\varphi_{16,0}$	=	1158_{1}
$arphi_{2,1}$	=	12_{2}	$\varphi_{21,1}$	=	2757_{2}
$\varphi_{3,1}$	=	53_{2}	$\varphi_{24,0}$	=	3054_1
$arphi_{5,0}$	=	207_{1}	$\varphi_{33,1}$	=	4614_{2}
$arphi_{15,1}$	=	883_{2}	$\varphi_{34,0}$	=	4746_{1}

Block 2:	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{5,1}$	$\varphi_{15,0}$	$\varphi_{16,1}$	$\varphi_{21,0}$	$\varphi_{24,1}$	$\varphi_{33,0}$	$\varphi_{34,1}$
$1_2 = \chi_{1,1}$	1									
$12_1 = \chi_{2,0}$		1								
$65_1 = \chi_{3,0}$		1	1							
$208_2 = \chi_{5,1}$	1			1					•	
$936_1 = \chi_{15,0}$			1		1				•	
$1365_2 = \chi_{17,1}$				1		1			•	
$3640_1 = \chi_{27,0}$					1		1		•	
$4212_2 = \chi_{29,1}$						1		1	•	
$7371_1 = \chi_{39,0}$						•	1	•	1	
$7800_2 = \chi_{40,1}$						•		1	•	1
$9360_2 = \chi_{45,1}$		•	•			•		•	1	1

Block 82:	φ_{55+}	φ_{58+}	φ_{60+}	φ_{72+}	φ_{74+}
$64_1 = \chi_{56+}$	1				
$1728_1 = \chi_{59,0}$	1	1	•		
$1728_2 = \chi_{59,1}$	1	1			
$4992_1 = \chi_{60+}$		1	1		
$22464_1 = \chi_{72+}$			1	1	
$22464_2 = \chi_{74+}$			•		1
$41600_1 = \chi_{81+}$				1	1