

***Suz.2* (mod 13)**

	blocks	defect	matrix
$G :$	1	1	13×12
	2	0	$143_1 = \chi_{2,0}, \varphi_{2,0}$
	3	0	$143_2 = \chi_{2,1}, \varphi_{2,1}$
	4	0	$364_1 = \chi_{3,0}, \varphi_{3,0}$
	5	0	$364_2 = \chi_{3,1}, \varphi_{3,1}$
	6	0	$780_1 = \chi_{4,0}, \varphi_{4,0}$
	7	0	$780_2 = \chi_{4,1}, \varphi_{4,1}$
	8	0	$1001_1 = \chi_{5,0}, \varphi_{5,0}$
	9	0	$1001_2 = \chi_{5,1}, \varphi_{5,1}$
	10	0	$3432_1 = \chi_{6,0}, \varphi_{6,0}$
	11	0	$3432_2 = \chi_{6,1}, \varphi_{6,1}$
	12	0	$10010_1 = \chi_{7+}, \varphi_{7+}$
	13	0	$10725_1 = \chi_{10,0}, \varphi_{10,0}$
	14	0	$10725_2 = \chi_{10,1}, \varphi_{10,1}$
	15	0	$12012_1 = \chi_{11,0}, \varphi_{11,0}$
	16	0	$12012_2 = \chi_{11,1}, \varphi_{11,1}$
	17	0	$14300_1 = \chi_{12,0}, \varphi_{12,0}$
	18	0	$14300_2 = \chi_{12,1}, \varphi_{12,1}$
	19	0	$30030_1 = \chi_{13+}, \varphi_{13+}$
	20	0	$15795_1 = \chi_{15,0}, \varphi_{15,0}$
	21	0	$15795_2 = \chi_{15,1}, \varphi_{15,1}$
	22	0	$18954_1 = \chi_{16,0}, \varphi_{16,0}$
	23	0	$18954_2 = \chi_{16,1}, \varphi_{16,1}$
	24	0	$25025_1 = \chi_{17,0}, \varphi_{17,0}$
	25	0	$25025_2 = \chi_{17,1}, \varphi_{17,1}$
	26	0	$50050_1 = \chi_{18+}, \varphi_{18+}$
	27	0	$40040_1 = \chi_{20,0}, \varphi_{20,0}$
	28	0	$40040_2 = \chi_{20,1}, \varphi_{20,1}$
	29	0	$100100_1 = \chi_{21+}, \varphi_{21+}$
	30	0	$54054_1 = \chi_{23,0}, \varphi_{23,0}$
	31	0	$54054_2 = \chi_{23,1}, \varphi_{23,1}$
	32	0	$64064_1 = \chi_{24,0}, \varphi_{25,0}$
	33	0	$64064_2 = \chi_{24,1}, \varphi_{25,1}$
	34	0	$128700_1 = \chi_{25+}, \varphi_{26+}$
	35	0	$66560_1 = \chi_{27,0}, \varphi_{28,0}$
	36	0	$66560_2 = \chi_{27,1}, \varphi_{28,1}$
	37	0	$75075_1 = \chi_{28,0}, \varphi_{29,0}$
	38	0	$75075_2 = \chi_{28,1}, \varphi_{29,1}$
	39	0	$79872_1 = \chi_{29,0}, \varphi_{31,0}$
	40	0	$79872_2 = \chi_{29,1}, \varphi_{31,1}$

	blocks	defect	matrix
	41	0	$88452_1 = \chi_{30,0}, \varphi_{32,0}$
	42	0	$88452_2 = \chi_{30,1}, \varphi_{32,1}$
	43	0	$100100_2 = \chi_{33,0}, \varphi_{34,0}$
	44	0	$100100_3 = \chi_{33,1}, \varphi_{34,1}$
	45	0	$146432_1 = \chi_{35,0}, \varphi_{35,0}$
	46	0	$146432_2 = \chi_{35,1}, \varphi_{35,1}$
	47	0	$163800_1 = \chi_{36,0}, \varphi_{36,0}$
	48	0	$163800_2 = \chi_{36,1}, \varphi_{36,1}$
	49	0	$189540_1 = \chi_{38,0}, \varphi_{37,0}$
	50	0	$189540_2 = \chi_{38,1}, \varphi_{37,1}$
	51	0	$193050_1 = \chi_{39,0}, \varphi_{39,0}$
	52	0	$193050_2 = \chi_{39,1}, \varphi_{39,1}$
	53	0	$208494_1 = \chi_{41,0}, \varphi_{40,0}$
	54	0	$208494_2 = \chi_{41,1}, \varphi_{40,1}$
	55	0	$243243_1 = \chi_{42,0}, \varphi_{41,0}$
	56	0	$243243_2 = \chi_{42,1}, \varphi_{41,1}$
2.G :	57	1	13×12
	58	0	$728_1 = \chi_{45+}, \varphi_{43+}$
	59	0	$1144_1 = \chi_{47+}, \varphi_{45+}$
	60	0	$32032_1 = \chi_{50+}, \varphi_{48+}$
	61	0	$20020_1 = \chi_{52,0}, \varphi_{50,0}$
	$62 = \overline{61}$	0	$20020_2 = \chi_{52,1}, \varphi_{50,1}$
	63	0	$20020_3 = \chi_{53,0}, \varphi_{51,0}$
	$64 = \overline{63}$	0	$20020_4 = \chi_{53,1}, \varphi_{51,1}$
	65	0	$70200_1 = \chi_{54+}, \varphi_{52+}$
	66	0	$70200_2 = \chi_{56+}, \varphi_{54+}$
	67	0	$120120_1 = \chi_{58+}, \varphi_{56+}$
	68	0	$159744_1 = \chi_{62+}, \varphi_{59+}$
	69	0	$80080_1 = \chi_{64,0}, \varphi_{61,0}$
	$70 = \overline{69}$	0	$80080_2 = \chi_{64,1}, \varphi_{61,1}$
	71	0	$80080_3 = \chi_{65,0}, \varphi_{62,0}$
	$72 = \overline{71}$	0	$80080_4 = \chi_{65,1}, \varphi_{62,1}$
	73	0	$100100_4 = \chi_{66,0}, \varphi_{64,0}$
	$74 = \overline{73}$	0	$100100_5 = \chi_{66,1}, \varphi_{64,1}$
	75	0	$128128_1 = \chi_{68,0}, \varphi_{65,0}$
	$76 = \overline{75}$	0	$128128_2 = \chi_{68,1}, \varphi_{65,1}$
	77	0	$137280_1 = \chi_{69,0}, \varphi_{67,0}$
	$78 = \overline{77}$	0	$137280_2 = \chi_{69,1}, \varphi_{67,1}$
	79	0	$288288_1 = \chi_{70+}, \varphi_{68+}$
	80	0	$192192_1 = \chi_{72,0}, \varphi_{71,0}$

	blocks	defect	matrix
	81 = $\overline{80}$	0	192192 ₂ = $\chi_{72,1}, \varphi_{71,1}$
	82	0	228800 ₁ = $\chi_{74,0}, \varphi_{72,0}$
	83 = $\overline{82}$	0	228800 ₂ = $\chi_{74,1}, \varphi_{72,1}$
3.G :	84	1	8 × 6
	85	0	156 ₁ = $\chi_{78+}, \varphi_{74+}$
	86	0	858 ₁ = $\chi_{79+}, \varphi_{75+}$
	87	0	2730 ₁ = $\chi_{80+}, \varphi_{76+}$
	88	0	3432 ₃ = $\chi_{81+}, \varphi_{77+}$
	89	0	4290 ₁ = $\chi_{82+}, \varphi_{78+}$
	90	0	5850 ₁ = $\chi_{83+}, \varphi_{79+}$
	91 = $\overline{90}$	0	5850 ₂ = $\chi_{84+}, \varphi_{80+}$
	92	0	6006 ₁ = $\chi_{85+}, \varphi_{81+}$
	93	0	8580 ₁ = $\chi_{86+}, \varphi_{82+}$
	94	0	37908 ₁ = $\chi_{90+}, \varphi_{86+}$
	95	0	42900 ₁ = $\chi_{91+}, \varphi_{87+}$
	96	0	48048 ₁ = $\chi_{93+}, \varphi_{88+}$
	97	0	54054 ₃ = $\chi_{94+}, \varphi_{89+}$
	98	0	61776 ₁ = $\chi_{95+}, \varphi_{90+}$
	99	0	85800 ₁ = $\chi_{96+}, \varphi_{91+}$
	100	0	120120 ₂ = $\chi_{98+}, \varphi_{93+}$
	101	0	128700 ₂ = $\chi_{99+}, \varphi_{94+}$
	102	0	150150 ₁ = $\chi_{100+}, \varphi_{95+}$
	103	0	150150 ₂ = $\chi_{101+}, \varphi_{96+}$
	104	0	171600 ₁ = $\chi_{102+}, \varphi_{97+}$
	105	0	208494 ₃ = $\chi_{103+}, \varphi_{98+}$
	106	0	216216 ₁ = $\chi_{104+}, \varphi_{99+}$
	107	0	270270 ₁ = $\chi_{106+}, \varphi_{101+}$
	108	0	279552 ₁ = $\chi_{107+}, \varphi_{102+}$
	109	0	360360 ₁ = $\chi_{109+}, \varphi_{103+}$
	110	0	379080 ₁ = $\chi_{110+}, \varphi_{104+}$
	111	0	386100 ₁ = $\chi_{111+}, \varphi_{105+}$
	112	0	416988 ₁ = $\chi_{112+}, \varphi_{106+}$
	113	0	450450 ₁ = $\chi_{113+}, \varphi_{107+}$
	114	0	663390 ₁ = $\chi_{114+}, \varphi_{108+}$
6.G :	115	1	8 × 6
	116	0	1560 ₁ = $\chi_{116+}, \varphi_{110+}$
	117	0	8736 ₁ = $\chi_{118+}, \varphi_{112+}$
	118	0	8736 ₂ = $\chi_{119+}, \varphi_{113+}$
	119	0	17160 ₁ = $\chi_{120+}, \varphi_{114+}$
	120	0	24024 ₁ = $\chi_{123+}, \varphi_{117+}$

	blocks	defect	matrix
	121	0	$24024_2 = \chi_{124+}, \varphi_{118+}$
	122	0	$24024_3 = \chi_{125+}, \varphi_{119+}$
	123	0	$54912_1 = \chi_{127+}, \varphi_{121+}$
	124	0	$54912_2 = \chi_{128+}, \varphi_{122+}$
	125	0	$70200_3 = \chi_{129+}, \varphi_{123+}$
	$126 = \overline{125}$	0	$70200_4 = \chi_{130+}, \varphi_{124+}$
	127	0	$85800_2 = \chi_{131+}, \varphi_{125+}$
	128	0	$154440_1 = \chi_{134+}, \varphi_{127+}$
	129	0	$224640_1 = \chi_{136+}, \varphi_{128+}$
	130	0	$279552_2 = \chi_{137+}, \varphi_{129+}$
	131	0	$288288_2 = \chi_{138+}, \varphi_{130+}$
	132	0	$288288_3 = \chi_{139+}, \varphi_{131+}$
	133	0	$343200_1 = \chi_{140+}, \varphi_{132+}$
	134	0	$360360_2 = \chi_{141+}, \varphi_{133+}$
	135	0	$600600_1 = \chi_{142+}, \varphi_{134+}$
	136	0	$873600_1 = \chi_{143+}, \varphi_{135+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$	$\varphi_{33,0}$	$\varphi_{33,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$5940_1 = \chi_{9,0}$	1	.	1	.	.	.	.	.	.	.
$5940_2 = \chi_{9,1}$	.	1	.	1	.	.	.	.	.	.
$187110_1 = \chi_{31+}$	.	.	.	.	.	.	.	.	1	1
$133056_1 = \chi_{34,0}$	.	.	.	.	.	1	.	1	.	.
$133056_2 = \chi_{34,1}$	.	.	.	.	1	.	1	.	.	.
$168960_1 = \chi_{37,0}$	.	.	.	.	.	.	.	1	.	1
$168960_2 = \chi_{37,1}$	.	.	.	.	.	.	1	.	1	.
$197120_1 = \chi_{40,0}$	.	.	1	.	.	.	.	.	.	.
$197120_2 = \chi_{40,1}$	.	.	.	1	.	.	.	.	.	.
$248832_1 = \chi_{43,0}$	.	.	.	.	.	1	.	.	.	.
$248832_2 = \chi_{43,1}$	.	.	.	.	1	.	.	.	.	.

(Block 57:)	$\varphi_{70,0}$	$\varphi_{70,1}$		
$220_1 = \chi_{44,0}$	.	.	$\varphi_{42,0} =$	220_1
$220_2 = \chi_{44,1}$	.	.	$\varphi_{42,1} =$	220_2
$4928_1 = \chi_{49,0}$	.	.	$\varphi_{47,0} =$	4708_1
$4928_2 = \chi_{49,1}$	.	.	$\varphi_{47,1} =$	4708_2
$122472_1 = \chi_{60+}$	.	.	$\varphi_{58,0} =$	61236_1
$102400_1 = \chi_{67,0}$	.	.	$\varphi_{58,1} =$	61236_2
$102400_2 = \chi_{67,1}$	.	.	$\varphi_{63,0} =$	97692_1
$197120_3 = \chi_{73,0}$	.	.	$\varphi_{63,1} =$	97692_2
$197120_4 = \chi_{73,1}$	.	.	$\varphi_{66,0} =$	135884_1
$277200_1 = \chi_{75,0}$	1	.	$\varphi_{66,1} =$	135884_2
$277200_2 = \chi_{75,1}$	.	1	$\varphi_{70,0} =$	179508_1
$315392_1 = \chi_{76,0}$	1	.	$\varphi_{70,1} =$	179508_2
$315392_2 = \chi_{76,1}$	.	1		

Block 84:	φ_{73+}	φ_{83+}	φ_{84+}	φ_{85+}	φ_{92+}	φ_{100+}		
$132_1 = \chi_{77+}$	1	.	.	.	.	.	$\varphi_{73+} =$	132_1
$10206_1 = \chi_{87+}$	.	1	.	.	.	.	$\varphi_{83+} =$	10206_1
$10206_2 = \chi_{88+}$	.	1	.	.	.	.	$\varphi_{84+} =$	13308_1
$13440_1 = \chi_{89+}$	1	.	1	.	.	.	$\varphi_{85+} =$	35994_1
$46200_1 = \chi_{92+}$	.	1	.	1	.	.	$\varphi_{92+} =$	90642_1
$103950_1 = \chi_{97+}$	.	.	1	.	1	.	$\varphi_{100+} =$	230118_1
$266112_1 = \chi_{105+}$	.	.	.	1	.	1		
$320760_1 = \chi_{108+}$	.	.	.	.	1	1		

Block 115:	φ_{109+}	φ_{111+}	φ_{115+}	φ_{116+}	φ_{120+}	φ_{126+}		
$24_1 = \chi_{115+}$	1	.	.	.	.	.		
$1848_1 = \chi_{117+}$	1	1	.	.	.	.		
$22176_1 = \chi_{121+}$	.	.	1	.	.	.		
$22176_2 = \chi_{122+}$	.	.	.	1	.	.		
$46200_2 = \chi_{126+}$	.	1	.	.	1	.		
$122472_2 = \chi_{132+}$	.	.	.	.	.	1		
$122472_3 = \chi_{133+}$	.	.	.	.	.	1		
$211200_1 = \chi_{135+}$	.	.	1	1	1	1		

$\varphi_{109+} =$	24_1	$\varphi_{116+} =$	22176_2
$\varphi_{111+} =$	1824_1	$\varphi_{120+} =$	44376_1
$\varphi_{115+} =$	22176_1	$\varphi_{126+} =$	122472_1