

$$O_{10}^-(2) \pmod{11}$$

	blocks	defect	matrix
$G :$	1	1	7×5
	2	0	$154_1 = \chi_2, \varphi_2$
	3	0	$187_1 = \chi_3, \varphi_3$
	4	1	7×5
	$5 = \overline{4}$	1	7×5
	6	0	$748_1 = \chi_7, \varphi_7$
	7	0	$2244_1 = \chi_8, \varphi_8$
	8	0	$5236_1 = \chi_9, \varphi_9$
	9	0	$5236_2 = \chi_{10}, \varphi_{10}$
	10	0	$6545_1 = \chi_{13}, \varphi_{13}$
	11	0	$6545_2 = \chi_{14}, \varphi_{14}$
	12	0	$7700_1 = \chi_{15}, \varphi_{15}$
	13	0	$9350_1 = \chi_{16}, \varphi_{16}$
	14	0	$10692_1 = \chi_{17}, \varphi_{17}$
	15	0	$13090_1 = \chi_{18}, \varphi_{18}$
	16	0	$14960_1 = \chi_{19}, \varphi_{19}$
	17	0	$15147_1 = \chi_{20}, \varphi_{20}$
	18	0	$15708_1 = \chi_{21}, \varphi_{21}$
	19	0	$15708_2 = \chi_{22}, \varphi_{22}$
	$20 = \overline{19}$	0	$15708_3 = \chi_{23}, \varphi_{23}$
	21	0	$26180_1 = \chi_{25}, \varphi_{25}$
	$22 = \overline{21}$	0	$26180_2 = \chi_{26}, \varphi_{26}$
	23	0	$32725_1 = \chi_{27}, \varphi_{27}$
	24	0	$35904_1 = \chi_{28}, \varphi_{28}$
	25	0	$39270_1 = \chi_{29}, \varphi_{29}$
	26	0	$39270_2 = \chi_{30}, \varphi_{30}$
	27	0	$41888_1 = \chi_{31}, \varphi_{31}$
	28	0	$56100_1 = \chi_{32}, \varphi_{32}$
	29	0	$59840_1 = \chi_{33}, \varphi_{33}$
	30	0	$65450_1 = \chi_{34}, \varphi_{34}$
	31	0	$65450_2 = \chi_{35}, \varphi_{35}$
	$32 = \overline{31}$	0	$65450_3 = \chi_{36}, \varphi_{36}$
	33	0	$78540_1 = \chi_{39}, \varphi_{39}$
	34	0	$83776_1 = \chi_{40}, \varphi_{40}$
	35	0	$104720_1 = \chi_{41}, \varphi_{41}$
	$36 = \overline{35}$	0	$104720_2 = \chi_{42}, \varphi_{42}$
	37	0	$106029_1 = \chi_{43}, \varphi_{43}$
	38	0	$106029_2 = \chi_{44}, \varphi_{44}$
	39	0	$106029_3 = \chi_{45}, \varphi_{45}$
	$40 = \overline{39}$	0	$106029_4 = \chi_{46}, \varphi_{46}$

	blocks	defect	matrix
	41	0	$123200_1 = \chi_{47}, \varphi_{47}$
	42	0	$130900_1 = \chi_{48}, \varphi_{48}$
	43	0	$130900_2 = \chi_{49}, \varphi_{49}$
	44	0	$130900_3 = \chi_{50}, \varphi_{50}$
	45	0	$130900_4 = \chi_{51}, \varphi_{51}$
	46	0	$130900_5 = \chi_{52}, \varphi_{52}$
	$47 = \overline{46}$	0	$130900_6 = \chi_{53}, \varphi_{53}$
	48	0	$157080_1 = \chi_{54}, \varphi_{54}$
	49	0	$157080_2 = \chi_{55}, \varphi_{55}$
	50	0	$171072_1 = \chi_{56}, \varphi_{56}$
	51	0	$181764_1 = \chi_{57}, \varphi_{57}$
	52	0	$191488_1 = \chi_{60}, \varphi_{60}$
	53	0	$212058_1 = \chi_{61}, \varphi_{61}$
	54	0	$227205_1 = \chi_{62}, \varphi_{62}$
	55	0	$251328_1 = \chi_{63}, \varphi_{63}$
	56	0	$251328_2 = \chi_{64}, \varphi_{64}$
	$57 = \overline{56}$	0	$251328_3 = \chi_{65}, \varphi_{65}$
	58	0	$261800_1 = \chi_{66}, \varphi_{66}$
	59	0	$261800_2 = \chi_{67}, \varphi_{67}$
	60	0	$261800_3 = \chi_{68}, \varphi_{68}$
	61	0	$294525_1 = \chi_{69}, \varphi_{69}$
	62	0	$294525_2 = \chi_{70}, \varphi_{70}$
	63	0	$294525_3 = \chi_{71}, \varphi_{71}$
	$64 = \overline{63}$	0	$294525_4 = \chi_{72}, \varphi_{72}$
	65	0	$302940_1 = \chi_{73}, \varphi_{73}$
	66	0	$314160_1 = \chi_{74}, \varphi_{74}$
	67	0	$418880_1 = \chi_{76}, \varphi_{76}$
	68	0	$418880_2 = \chi_{77}, \varphi_{77}$
	69	0	$424116_1 = \chi_{78}, \varphi_{78}$
	70	0	$424116_2 = \chi_{79}, \varphi_{79}$
	71	0	$424116_3 = \chi_{80}, \varphi_{80}$
	$72 = \overline{71}$	0	$424116_4 = \chi_{81}, \varphi_{81}$
	73	0	$523600_1 = \chi_{82}, \varphi_{82}$
	$74 = \overline{73}$	0	$523600_2 = \chi_{83}, \varphi_{83}$
	75	0	$530145_1 = \chi_{84}, \varphi_{84}$
	76	0	$530145_2 = \chi_{85}, \varphi_{85}$
	77	0	$530145_3 = \chi_{86}, \varphi_{86}$
	$78 = \overline{77}$	0	$530145_4 = \chi_{87}, \varphi_{87}$
	79	0	$589050_1 = \chi_{88}, \varphi_{90}$
	$80 = \overline{79}$	0	$589050_2 = \chi_{89}, \varphi_{91}$

	blocks	defect	matrix
	81	0	$589050_3 = \chi_{90}, \varphi_{92}$
	$82 = \overline{81}$	0	$589050_4 = \chi_{91}, \varphi_{93}$
	83	0	$598400_1 = \chi_{92}, \varphi_{94}$
	84	0	$630784_1 = \chi_{95}, \varphi_{95}$
	85	0	$681615_1 = \chi_{96}, \varphi_{96}$
	$86 = \overline{85}$	0	$681615_2 = \chi_{97}, \varphi_{97}$
	87	0	$765952_1 = \chi_{104}, \varphi_{99}$
	88	0	$837760_1 = \chi_{105}, \varphi_{100}$
	89	0	$848232_1 = \chi_{106}, \varphi_{101}$
	90	0	$908820_1 = \chi_{107}, \varphi_{102}$
	91	0	$969408_1 = \chi_{108}, \varphi_{103}$
	92	0	$1047200_1 = \chi_{109}, \varphi_{104}$
	93	0	$1060290_1 = \chi_{111}, \varphi_{105}$
	94	0	$1136025_1 = \chi_{112}, \varphi_{106}$
	95	0	$1178100_1 = \chi_{113}, \varphi_{107}$
	96	0	$1403325_1 = \chi_{114}, \varphi_{108}$
	97	0	$1403325_2 = \chi_{115}, \varphi_{109}$

Block 1:	φ_1	φ_4	φ_{24}	φ_{75}	φ_{98}	
$1_1 = \chi_1$	1	.	.	.	.	$\varphi_1 = 1_1$
$340_1 = \chi_4$	1	1	.	.	.	$\varphi_4 = 339_1$
$22848_1 = \chi_{24}$	.	1	1	.	.	$\varphi_{24} = 22509_1$
$348160_1 = \chi_{75}$	.	.	1	1	.	$\varphi_{75} = 325651_1$
$722925_1 = \chi_{98}$	.	.	.	.	1	$\varphi_{98} = 722925_1$
$722925_2 = \chi_{99}$	.	.	.	.	1	
$1048576_1 = \chi_{110}$	.	.	.	1	1	

Block 4:	φ_5	φ_{11}	φ_{37}	φ_{58}	φ_{88}	
$595_1 = \chi_5$	1	.	.	.	.	$\varphi_5 = 595_1$
$5950_1 = \chi_{11}$	.	1	.	.	.	$\varphi_{11} = 5950_1$
$71400_2 = \chi_{38}$	1	.	1	.	.	$\varphi_{37} = 70805_1$
$190400_2 = \chi_{59}$	.	1	.	1	.	$\varphi_{58} = 184450_1$
$609280_1 = \chi_{93}$	.	.	1	.	1	$\varphi_{88} = 538475_1$
$722925_4 = \chi_{101}$	.	.	.	1	1	
$722925_6 = \chi_{103}$	.	.	.	1	1	

Block 5:	φ_6	φ_{12}	φ_{38}	φ_{59}	φ_{89}		
$595_2 = \chi_6$	1	.	.	.	.	φ_6	$= 595_2$
$5950_2 = \chi_{12}$	.	1	.	.	.	φ_{12}	$= 5950_2$
$71400_1 = \chi_{37}$	1	.	1	.	.	φ_{38}	$= 70805_2$
$190400_1 = \chi_{58}$	.	1	.	1	.	φ_{59}	$= 184450_2$
$609280_2 = \chi_{94}$	.	.	1	.	1	φ_{89}	$= 538475_2$
$722925_3 = \chi_{100}$	.	.	.	1	1		
$722925_5 = \chi_{102}$	.	.	.	1	1		