

$O_{10}^+(2) \pmod{5}$

	blocks	defect	matrix
$G :$	1	2	20×14
	2	1	5×4
	3	1	5×4
	4	1	4×2
	5	1	5×4
	6	0	$9300_1 = \chi_{10}, \varphi_{10}$
	7	1	5×4
	8	1	5×4
	9	1	4×2
	10	1	5×4
	11	1	4×2
	12	1	4×2
	13	0	$148800_1 = \chi_{37}, \varphi_{33}$
	14	0	$158100_1 = \chi_{38}, \varphi_{34}$
	15	1	4×2
	16	0	$316200_1 = \chi_{49}, \varphi_{42}$
	17	0	$355725_1 = \chi_{55}, \varphi_{46}$
	18	0	$355725_2 = \chi_{56}, \varphi_{47}$
	19	0	$355725_3 = \chi_{57}, \varphi_{48}$
	20 = $\overline{19}$	0	$355725_4 = \chi_{58}, \varphi_{49}$
	21	0	$368900_1 = \chi_{59}, \varphi_{50}$
	22	0	$439425_1 = \chi_{60}, \varphi_{52}$
	23	0	$439425_2 = \chi_{61}, \varphi_{53}$
	24	0	$439425_3 = \chi_{62}, \varphi_{54}$
	25 = $\overline{24}$	0	$439425_4 = \chi_{63}, \varphi_{55}$
	26	0	$439425_5 = \chi_{64}, \varphi_{56}$
	27 = $\overline{26}$	0	$439425_6 = \chi_{65}, \varphi_{57}$
	28	0	$711450_1 = \chi_{79}, \varphi_{63}$
	29 = $\overline{28}$	0	$711450_2 = \chi_{80}, \varphi_{64}$
	30	0	$711450_3 = \chi_{81}, \varphi_{65}$
	31 = $\overline{30}$	0	$711450_4 = \chi_{82}, \varphi_{66}$
	32	0	$722925_1 = \chi_{83}, \varphi_{67}$
	33 = $\overline{32}$	0	$722925_2 = \chi_{84}, \varphi_{68}$
	34	0	$722925_3 = \chi_{85}, \varphi_{69}$
	35 = $\overline{34}$	0	$722925_4 = \chi_{86}, \varphi_{70}$
	36	0	$722925_5 = \chi_{87}, \varphi_{71}$
	37 = $\overline{36}$	0	$722925_6 = \chi_{88}, \varphi_{72}$
	38	0	$830025_1 = \chi_{90}, \varphi_{73}$
	39	0	$1422900_1 = \chi_{96}, \varphi_{75}$

(Block 1:)	φ_{61}	
$1_1 = \chi_1$.	
$186_1 = \chi_3$.	
$868_1 = \chi_5$.	$\varphi_1 = 1_1$
$2108_1 = \chi_6$.	$\varphi_3 = 186_1$
$6324_1 = \chi_8$.	$\varphi_5 = 868_1$
$11067_1 = \chi_{11}$.	$\varphi_6 = 1921_1$
$13888_1 = \chi_{13}$.	$\varphi_8 = 6323_1$
$14756_1 = \chi_{14}$.	$\varphi_{11} = 10199_1$
$22848_1 = \chi_{18}$.	$\varphi_{12} = 12649_1$
$50592_1 = \chi_{23}$.	$\varphi_{14} = 13888_1$
$66402_1 = \chi_{26}$.	$\varphi_{22} = 42347_1$
$101184_1 = \chi_{30}$.	$\varphi_{23} = 52514_1$
$236096_1 = \chi_{46}$.	$\varphi_{38} = 211327_1$
$265608_1 = \chi_{47}$.	$\varphi_{40} = 255409_1$
$298809_1 = \chi_{48}$.	$\varphi_{41} = 284053_1$
$539648_1 = \chi_{73}$.	$\varphi_{61} = 655774_1$
$708288_1 = \chi_{78}$	1	
$761856_1 = \chi_{89}$.	
$1048576_1 = \chi_{93}$	1	
$1195236_1 = \chi_{95}$	1	

Block 2:	φ_2	φ_{18}	φ_{26}	φ_{31}	
$155_1 = \chi_2$	1	.	.	.	$\varphi_2 = 155_1$
$31620_1 = \chi_{19}$	1	1	.	.	$\varphi_{18} = 31465_1$
$73780_2 = \chi_{28}$	.	.	1	.	$\varphi_{26} = 73780_1$
$166005_2 = \chi_{40}$	.	1	.	1	$\varphi_{31} = 134540_1$
$208320_1 = \chi_{43}$	.	.	1	1	

Block 3:	φ_4	φ_{21}	φ_{30}	φ_{39}	
$340_1 = \chi_4$	1	.	.	.	$\varphi_4 = 340_1$
$42160_1 = \chi_{22}$	1	1	.	.	$\varphi_{21} = 41820_1$
$168640_1 = \chi_{42}$	.	1	1	.	$\varphi_{30} = 126820_1$
$221340_2 = \chi_{45}$	.	.	.	1	$\varphi_{39} = 221340_1$
$348160_1 = \chi_{54}$	.	.	1	1	

Block 4:	φ_7	φ_{43}	
$5270_1 = \chi_7$	1	.	$\varphi_7 = 5270_1$
$332010_2 = \chi_{51}$	.	1	$\varphi_{43} = 332010_1$
$332010_3 = \chi_{52}$	.	1	
$337280_1 = \chi_{53}$	1	1	

Block 5:	φ_9	φ_{27}	φ_{36}	φ_{45}	
$7905_1 = \chi_9$	1	.	.	.	$\varphi_9 = 7905_1$
$110670_1 = \chi_{31}$	1	1	.	.	$\varphi_{27} = 102765_1$
$166005_3 = \chi_{41}$	.	.	1	.	$\varphi_{36} = 166005_2$
$442680_2 = \chi_{67}$	.	1	.	1	$\varphi_{45} = 339915_1$
$505920_1 = \chi_{72}$	.	.	1	1	

Block 7:	φ_{13}	φ_{19}	φ_{25}	φ_{60}	
$13020_1 = \chi_{12}$	1	.	.	.	$\varphi_{13} = 13020_1$
$31620_2 = \chi_{20}$	.	1	.	.	$\varphi_{19} = 31620_1$
$73780_1 = \chi_{27}$	1	.	1	.	$\varphi_{25} = 60760_1$
$634880_1 = \chi_{75}$	.	1	.	1	$\varphi_{60} = 603260_1$
$664020_2 = \chi_{77}$	.	.	1	1	

Block 8:	φ_{15}	φ_{37}	φ_{44}	φ_{62}	
$15810_1 = \chi_{15}$	1	.	.	.	$\varphi_{15} = 15810_1$
$221340_1 = \chi_{44}$	1	1	.	.	$\varphi_{37} = 205530_1$
$332010_1 = \chi_{50}$	.	.	1	.	$\varphi_{44} = 332010_2$
$885360_1 = \chi_{91}$	.	1	.	1	$\varphi_{62} = 679830_1$
$1011840_1 = \chi_{92}$	.	.	1	1	

Block 9:	φ_{17}	φ_{24}	
$18445_1 = \chi_{16}$	1	.	$\varphi_{17} = 18445_2$
$55335_1 = \chi_{24}$	.	1	$\varphi_{24} = 55335_1$
$55335_2 = \chi_{25}$	.	1	
$73780_3 = \chi_{29}$	1	1	

Block 10:	φ_{16}	φ_{29}	φ_{51}	φ_{74}	
$18445_2 = \chi_{17}$	1	.	.	.	$\varphi_{16} = 18445_1$
$110670_2 = \chi_{32}$	.	1	.	.	$\varphi_{29} = 110670_2$
$442680_1 = \chi_{66}$	1	.	1	.	$\varphi_{51} = 424235_1$
$1180480_1 = \chi_{94}$	.	1	.	1	$\varphi_{74} = 1069810_1$
$1494045_1 = \chi_{97}$	.	.	1	1	

Block 11:	φ_{20}	φ_{28}	
$36890_1 = \chi_{21}$	1	.	$\varphi_{20} = 36890_1$
$110670_3 = \chi_{33}$	.	1	$\varphi_{28} = 110670_1$
$110670_4 = \chi_{34}$	.	1	
$147560_2 = \chi_{36}$	1	1	

Block 12:	φ_{32}	φ_{58}	
$147560_1 = \chi_{35}$	1	.	$\varphi_{32} = 147560_1$
$442680_3 = \chi_{68}$	.	1	$\varphi_{58} = 442680_1$
$442680_4 = \chi_{69}$	.	1	
$590240_1 = \chi_{74}$	1	1	

Block 15:	φ_{35}	φ_{59}	
$166005_1 = \chi_{39}$	1	.	$\varphi_{35} = 166005_1$
$498015_1 = \chi_{70}$	.	1	$\varphi_{59} = 498015_1$
$498015_2 = \chi_{71}$	.	1	
$664020_1 = \chi_{76}$	1	1	