

$Co_3 \pmod{5}$

	blocks	defect	matrix
$G :$	1	3	26×18
	2	1	5×4
	3	0	$9625_1 = \chi_{16}, \varphi_{13}$
	$4 = \bar{3}$	0	$9625_2 = \chi_{17}, \varphi_{14}$
	5	0	$23000_1 = \chi_{20}, \varphi_{18}$
	6	0	$31625_1 = \chi_{22}, \varphi_{21}$
	7	0	$31625_2 = \chi_{23}, \varphi_{22}$

	blocks	defect	matrix
	8	0	$31625_3 = \chi_{24}, \varphi_{23}$
	9	0	$40250_1 = \chi_{26}, \varphi_{24}$
	10	0	$63250_1 = \chi_{28}, \varphi_{28}$
	11	0	$91125_1 = \chi_{31}, \varphi_{30}$
	12	0	$221375_1 = \chi_{37}, \varphi_{32}$
	13	0	$253000_1 = \chi_{41}, \varphi_{33}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{12}	φ_{15}	φ_{16}	φ_{17}	φ_{19}	φ_{20}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$23_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$253_1 = \chi_3$	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
$253_2 = \chi_4$	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$896_1 = \chi_6$	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.
$896_2 = \chi_7$	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.
$1771_1 = \chi_8$	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
$2024_1 = \chi_9$	.	1	1	.	.	.	.	1	.	.	.	.	.	.	.
$3520_1 = \chi_{10}$	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.
$3520_2 = \chi_{11}$	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.
$5544_1 = \chi_{13}$	1	.	.	1	.	.	.	.	.	1	.	.	.	.	.
$7084_1 = \chi_{14}$	1	.	.	.	1	1	1	.	1	.	.	.	.	.	.
$8855_1 = \chi_{15}$	2	.	.	.	1	1	.	1	.	1	.	.	.	.	.
$20608_1 = \chi_{18}$	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
$20608_2 = \chi_{19}$	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
$26082_1 = \chi_{21}$	.	.	.	1	.	.	.	.	1	.	.	.	1	.	.
$31878_1 = \chi_{25}$	.	.	.	1	.	.	.	.	.	1	.	.	.	.	1
$57960_1 = \chi_{27}$	2	.	.	.	1	1	1	1	.	.	.	.	.	.	.
$80960_1 = \chi_{30}$	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
$93312_1 = \chi_{32}$	.	1	1	1	.	.	.	.	.	.	1	1	.	1	1
$129536_1 = \chi_{33}$	1	1	.	1	1	1	1	.	1	.	1	1	.	1	.
$129536_2 = \chi_{34}$	2	1	1	1	1	1	.	1	.	1	1	1	.	.	1
$184437_1 = \chi_{36}$	1	1	.	1	1	1	.	.	1	1	1	1	.	.	1
$226688_1 = \chi_{38}$	1	.	.	1	1	1	.	.	1	.	1	1	1	1	1
$249480_1 = \chi_{40}$	2	1	.	2	2	2	.	.	2	.	2	2	1	1	.
$255024_1 = \chi_{42}$	2	1	.	1	2	2	1	.	2	.	2	2	.	1	1

(Block 1:)	φ_{25}	φ_{26}	φ_{27}	
$1_1 = \chi_1$	.	.	.	$\varphi_1 = 1_1$
$23_1 = \chi_2$	.	.	.	$\varphi_2 = 23_1$
$253_1 = \chi_3$	.	.	.	$\varphi_3 = 230_1$
$253_2 = \chi_4$	.	.	.	$\varphi_4 = 253_1$
$896_1 = \chi_6$	.	.	.	$\varphi_6 = 896_1$
$896_2 = \chi_7$	.	.	.	$\varphi_7 = 896_2$
$1771_1 = \chi_8$	.	.	.	$\varphi_8 = 1771_1$
$2024_1 = \chi_9$	.	.	.	$\varphi_9 = 1771_2$
$3520_1 = \chi_{10}$	.	.	.	$\varphi_{10} = 3520_1$
$3520_2 = \chi_{11}$	.	.	.	$\varphi_{12} = 5290_1$
$5544_1 = \chi_{13}$	.	.	.	$\varphi_{15} = 20608_1$
$7084_1 = \chi_{14}$	.	.	.	$\varphi_{16} = 20608_2$
$8855_1 = \chi_{15}$	.	.	.	$\varphi_{17} = 22309_1$
$20608_1 = \chi_{18}$	.	.	.	$\varphi_{19} = 25255_1$
$20608_2 = \chi_{19}$	.	.	.	$\varphi_{20} = 26335_1$
$26082_1 = \chi_{21}$	.	.	.	$\varphi_{25} = 52624_1$
$31878_1 = \chi_{25}$	.	.	.	$\varphi_{26} = 53383_1$
$57960_1 = \chi_{27}$	1	.	.	$\varphi_{27} = 55705_1$
$80960_1 = \chi_{30}$	.	.	1	
$93312_1 = \chi_{32}$	.	.	.	
$129536_1 = \chi_{33}$	.	.	1	
$129536_2 = \chi_{34}$	1	.	.	
$184437_1 = \chi_{36}$	1	1	.	
$226688_1 = \chi_{38}$	1	1	.	
$249480_1 = \chi_{40}$	1	.	1	
$255024_1 = \chi_{42}$	1	.	1	

Block 2:	φ_5	φ_{11}	φ_{29}	φ_{31}	
$275_1 = \chi_5$	1	.	.	.	$\varphi_5 = 275_1$
$4025_1 = \chi_{12}$	.	1	.	.	$\varphi_{11} = 4025_1$
$73600_1 = \chi_{29}$	1	.	1	.	$\varphi_{29} = 73325_1$
$177100_1 = \chi_{35}$	.	1	.	1	$\varphi_{31} = 173075_1$
$246400_1 = \chi_{39}$	.	.	1	1	