

$A_{17} \pmod{5}$

	blocks	defect	matrix
$G :$	1	3	65×40
	2	2	20×14
	3	2	13×10
	4	2	20×14
	5	1	5×4
	6	1	5×4
	7	1	5×4
	8	1	5×4

	blocks	defect	matrix
	9	1	4×2
	10	0	$327250_1 = \chi_{72}, \varphi_{71}$
	11	1	5×4
	12	1	4×2
	13	0	$631125_1 = \chi_{94}, \varphi_{87}$
	$14 = \overline{13}$	0	$631125_2 = \chi_{95}, \varphi_{88}$
	15	0	$1326000_1 = \chi_{124}, \varphi_{102}$
	16	0	$2431000_1 = \chi_{146}, \varphi_{106}$

(Block 1:)	φ_{24}	φ_{26}	φ_{34}	φ_{35}	φ_{37}	φ_{38}	φ_{39}	φ_{40}	φ_{43}	φ_{45}	φ_{46}	φ_{49}	φ_{50}
$1_1 = \chi_1$
$16_1 = \chi_2$
$119_1 = \chi_3$
$544_1 = \chi_5$
$3536_1 = \chi_{10}$
$3808_1 = \chi_{11}$
$4368_1 = \chi_{12}$
$4862_1 = \chi_{13}$
$5236_1 = \chi_{14}$
$6188_1 = \chi_{16}$
$7072_1 = \chi_{19}$
$8008_1 = \chi_{20}$
$15912_1 = \chi_{22}$
$17017_1 = \chi_{23}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$19448_1 = \chi_{24}$
$20944_1 = \chi_{26}$.	1	.	.	.	.	.	.	.	.	.	.	.
$24752_1 = \chi_{27}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$62832_1 = \chi_{34}$	1	.	.	.	.	.	.	.
$65637_1 = \chi_{35}$	1	.	.	.	.	.
$68068_1 = \chi_{36}$.	1	.	1	.	.	.	.	.	.	.	.	.
$74256_1 = \chi_{38}$	1	.	.	.	1	.	.	.	.	.	.	.	.
$87516_1 = \chi_{40}$	1	.	.	.
$116688_1 = \chi_{41}$	1	1	.	.	.	.	.	.
$116688_2 = \chi_{42}$.	1	.	1	.	1	.	.	.	.	.	.	.
$129948_1 = \chi_{46}$	1	.	.	1	.	.	.	.
$129948_2 = \chi_{47}$	1
$136136_1 = \chi_{49}$
$148512_1 = \chi_{51}$	1	.	.	.	.	.	1	.	.
$148512_2 = \chi_{52}$.	.	1	1	.	.	.	1	.	.	.	.	.
$155584_1 = \chi_{53}$	1	.	.	.	.	.	.	1	.
$204204_1 = \chi_{58}$	1	.	.
$205632_1 = \chi_{59}$.	.	1	1	.	1	.	.	1	.	.	.	.
$233376_1 = \chi_{61}$.	.	1	.	.	.	.	1	.	.	.	.	.
$238238_1 = \chi_{62}$	1	.
$259896_1 = \chi_{65}$	1	.	.	.	.	.
$272272_1 = \chi_{66}$	1	1	.	1	1	.	.	.
$272272_2 = \chi_{67}$	1
$272272_3 = \chi_{68}$.	.	.	1	.	1	1	.	.	.	.	.	.
$272272_4 = \chi_{69}$
$346528_1 = \chi_{76}$.	.	1	.	.	.	.	.	1	1	.	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_5	φ_7	φ_9	φ_{12}	φ_{13}	φ_{14}	φ_{15}	φ_{17}	φ_{20}	φ_{21}	φ_{22}
408408 ₁ = χ_{81}
466752 ₁ = χ_{83}
544544 ₁ = χ_{86}	.	.	1	.	.	1	.	1	.	.	.	1	.	.
565488 ₁ = χ_{88}
586432 ₁ = χ_{91}	1	.
700128 ₁ = χ_{98}
816816 ₁ = χ_{105}	.	1	1	.	.	.	.	.	.	.	.	1	.	.
891072 ₁ = χ_{108}	1
918918 ₁ = χ_{110}	.	1	1	.	1	.	.	1	.	.	.	.	.	.
952952 ₁ = χ_{111}	.	.	1	.	1	.	.	.	.	.	.	.	.	.
1050192 ₁ = χ_{116}	1	.	.	1	1	.	.	.	.	1	.	1	1	.
1089088 ₁ = χ_{119}	1	.	.	1	.	.	.	.	.	.	.	.	.	.
1089088 ₂ = χ_{120}	1	.	.	.	.	.	.	1	.	1
1089088 ₃ = χ_{121}	1	.	.	1	.	.	.	.	.
1336608 ₁ = χ_{125}	1	.	.	.	.	.	.	1	.	1
1429428 ₁ = χ_{130}
1454112 ₁ = χ_{131}
1633632 ₁ = χ_{135}	1	.	.	.	1	.	.	.	.	.
1633632 ₂ = χ_{136}	1
1905904 ₁ = χ_{142}	1	.	.	.	.	.
2255526 ₁ = χ_{144}	1	.	.	.	.	1	.	.	1	.	.	1	1	.
2362932 ₁ = χ_{145}	1	1	.	.	.	.	.	1	.	.
2450448 ₁ = χ_{149}	1	.	.	.	1	.	.	.	.	.	.	1	.	.
2858856 ₁ = χ_{154}
3620864 ₁ = χ_{156}	1	1	.	.	.	.	.	1	.	.

(Block 1:)	φ_{51}	φ_{52}	φ_{55}	φ_{56}	φ_{59}	φ_{61}	φ_{64}	φ_{76}	φ_{78}	φ_{79}	φ_{93}	φ_{94}	φ_{95}
$408408_1 = \chi_{81}$	.	.	.	.	.	1	.	.	.	.	.	.	.
$466752_1 = \chi_{83}$	.	.	1	1	1	.	.	.	.	.	.	.	.
$544544_1 = \chi_{86}$	.	.	.	.	.	.	.	.	.	1	.	.	.
$565488_1 = \chi_{88}$	.	.	.	1	1	1	.	.	.	.	.	.	.
$586432_1 = \chi_{91}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$700128_1 = \chi_{98}$	.	.	.	1	.	.	.	1	.	.	.	.	.
$816816_1 = \chi_{105}$	1	.	.	.	.	1	.	.	.	1	.	.	.
$891072_1 = \chi_{108}$	1	.	.	.	.	.	1	.	1	.	.	.	.
$918918_1 = \chi_{110}$	1	.	.	.	.	.	.	.	.	1	.	.	.
$952952_1 = \chi_{111}$	.	.	.	.	1	1	.	.	.	1	.	.	.
$1050192_1 = \chi_{116}$	.	1	.	.	.	.	.	.	.	.	1	.	.
$1089088_1 = \chi_{119}$	.	.	.	.	.	.	1	.	.	.	1	.	.
$1089088_2 = \chi_{120}$	1	.	.	.	.	.	.	.	1	1	.	.	.
$1089088_3 = \chi_{121}$	.	.	.	.	1	.	.	.	.	.	.	.	1
$1336608_1 = \chi_{125}$	.	1	.	.	.	.	.	.	1	.	.	1	.
$1429428_1 = \chi_{130}$	.	1	.	.	.	.	.	1	.	.	.	1	.
$1454112_1 = \chi_{131}$	.	.	1	1	.	.	.	1	.	.	.	1	.
$1633632_1 = \chi_{135}$	.	.	.	.	.	.	.	.	.	.	1	.	1
$1633632_2 = \chi_{136}$	.	.	1	.	.	.	1	.	1	.	.	1	.
$1905904_1 = \chi_{142}$	.	.	.	1	1	1	.	1	.	.	.	.	1
$2255526_1 = \chi_{144}$	.	.	.	.	.	.	.	1	.	.	1	.	1
$2362932_1 = \chi_{145}$	1	.	.	.	1	1	.	.	1	1	.	.	1
$2450448_1 = \chi_{149}$	1	.	.	.	.	.	1	.	1	.	1	.	1
$2858856_1 = \chi_{154}$	.	.	1	1	1	.	.	1	1	.	.	1	1
$3620864_1 = \chi_{156}$	.	1	.	.	.	.	1	1	1	.	1	1	1

$\varphi_1 = 1_1$	$\varphi_{39} = 56421_1$
$\varphi_2 = 16_1$	$\varphi_{40} = 57629_1$
$\varphi_3 = 103_1$	$\varphi_{43} = 69562_1$
$\varphi_5 = 543_1$	$\varphi_{45} = 82486_1$
$\varphi_7 = 987_1$	$\varphi_{46} = 84096_1$
$\varphi_9 = 1597_1$	$\varphi_{49} = 101387_1$
$\varphi_{12} = 3265_1$	$\varphi_{50} = 117132_1$
$\varphi_{13} = 3433_1$	$\varphi_{51} = 120091_1$
$\varphi_{14} = 4368_1$	$\varphi_{52} = 130456_1$
$\varphi_{15} = 4693_1$	$\varphi_{55} = 135421_1$
$\varphi_{17} = 6085_1$	$\varphi_{56} = 136851_1$
$\varphi_{20} = 7176_1$	$\varphi_{59} = 154154_1$
$\varphi_{21} = 7410_1$	$\varphi_{61} = 173096_1$
$\varphi_{22} = 8008_1$	$\varphi_{64} = 202267_1$
$\varphi_{24} = 12649_1$	$\varphi_{76} = 412061_1$
$\varphi_{26} = 17511_1$	$\varphi_{78} = 420202_1$
$\varphi_{34} = 40326_1$	$\varphi_{79} = 432238_1$
$\varphi_{35} = 42549_1$	$\varphi_{93} = 769145_1$
$\varphi_{37} = 49829_1$	$\varphi_{94} = 769779_1$
$\varphi_{38} = 53195_1$	$\varphi_{95} = 790062_1$

Block 2:	φ_4	φ_{11}	φ_{23}	φ_{29}	φ_{36}	φ_{44}	φ_{54}	φ_{58}	φ_{62}	φ_{69}	φ_{80}	φ_{81}	φ_{89}
$120_1 = \chi_4$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1820_1 = \chi_9$.	1	.	.	.	.	.	.	.	.	.	.	.
$11440_1 = \chi_{21}$.	.	1	.	.	.	.	.	.	.	.	.	.
$48620_1 = \chi_{33}$	1	.	.	.	.	.	.	.	.
$123760_1 = \chi_{44}$	1	.	.	.	1	1	.	.	.	.	.	.	.
$145860_1 = \chi_{50}$.	.	1	.	.	.	1	.	.	.	.	.	.
$159120_1 = \chi_{55}$.	.	.	1	1	1	.	.	.	.	.	.	.
$194480_1 = \chi_{57}$.	1	.	.	.	.	.	.	1	.	.	.	.
$209440_1 = \chi_{60}$	1	1	.	.	.	.	.	.
$340340_1 = \chi_{74}$	1	1	.	.	.	.
$340340_2 = \chi_{75}$.	1	.	1	.	.	.	.	.	1	.	.	.
$583440_2 = \chi_{90}$	1	.	.	.	.	.	.	1	.	.	1	.	.
$680680_2 = \chi_{97}$	1	.	.	1	.	1	1	.	.	.	1	.	.
$742560_1 = \chi_{101}$.	.	1	.	.	.	.	.	.	.	.	.	.
$908820_1 = \chi_{109}$	1	.	.	.	1
$1021020_1 = \chi_{114}$.	.	1	.	.	.	1	.	.	.	1	1	.
$1361360_2 = \chi_{127}$.	1	.	.	.	.	.	1	1	1	.	.	1
$1361360_3 = \chi_{128}$.	.	.	1	.	.	.	1	.	1	1	1	.
$1485120_1 = \chi_{132}$.	.	1	.	.	.	.	.	.	1	.	1	.
$1750320_2 = \chi_{140}$	1	.	.	1

(Block 2:)	φ_{91}	
$120_1 = \chi_4$.	
$1820_1 = \chi_9$.	
$11440_1 = \chi_{21}$.	$\varphi_4 = 120_1$
$48620_1 = \chi_{33}$.	$\varphi_{11} = 1820_1$
$123760_1 = \chi_{44}$.	$\varphi_{23} = 11440_1$
$145860_1 = \chi_{50}$.	$\varphi_{29} = 35480_1$
$159120_1 = \chi_{55}$.	$\varphi_{36} = 48620_1$
$194480_1 = \chi_{57}$.	$\varphi_{44} = 75020_1$
$209440_1 = \chi_{60}$.	$\varphi_{54} = 134420_1$
$340340_1 = \chi_{74}$.	$\varphi_{58} = 147680_1$
$340340_2 = \chi_{75}$.	$\varphi_{62} = 192660_1$
$583440_2 = \chi_{90}$.	$\varphi_{69} = 303040_1$
$680680_2 = \chi_{97}$.	$\varphi_{80} = 435640_1$
$742560_1 = \chi_{101}$	1	$\varphi_{81} = 439520_1$
$908820_1 = \chi_{109}$.	$\varphi_{89} = 716160_1$
$1021020_1 = \chi_{114}$.	$\varphi_{91} = 731120_1$
$1361360_2 = \chi_{127}$.	
$1361360_3 = \chi_{128}$.	
$1485120_1 = \chi_{132}$	1	
$1750320_2 = \chi_{140}$	1	

Block 3:	φ_6	φ_{18}	φ_{19}	φ_{31}	φ_{53}	φ_{57}	φ_{67}	φ_{77}	φ_{82}	φ_{83}
$560_1 = \chi_6$	1	.	.	.	.	.	.	.	.	.
$6435_1 = \chi_{17}$	.	1	.	.	.	.	.	.	.	.
$6435_2 = \chi_{18}$	.	.	1	.	.	.	.	.	.	.
$134640_1 = \chi_{48}$	1	.	.	.	1	.	.	.	.	.
$157080_1 = \chi_{54}$	.	1	1	.	.	1	.	.	.	.
$170170_1 = \chi_{56}$	.	.	.	1	1	.	.	.	.	.
$291720_1 = \chi_{70}$	1	.	.	1	.	.	1	.	.	.
$556920_1 = \chi_{87}$	.	.	.	.	.	1	.	1	.	.
$583440_1 = \chi_{89}$	1	.	.	1	1	.	.	1	.	.
$765765_1 = \chi_{103}$	.	.	.	1	.	.	1	.	1	.
$765765_2 = \chi_{104}$	.	.	.	1	.	.	1	.	.	1
$848640_1 = \chi_{106}$	1	.	.	1	.	1	1	1	.	.
$1361360_4 = \chi_{129}$	.	1	1	.	.	1	1	.	1	1

$\varphi_6 = 560_1$	$\varphi_{57} = 144210_1$
$\varphi_{18} = 6435_1$	$\varphi_{67} = 255070_1$
$\varphi_{19} = 6435_2$	$\varphi_{77} = 412710_1$
$\varphi_{31} = 36090_1$	$\varphi_{82} = 474605_1$
$\varphi_{53} = 134080_1$	$\varphi_{83} = 474605_2$

Block 4:	φ_8	φ_{16}	φ_{25}	φ_{28}	φ_{41}	φ_{42}	φ_{47}	φ_{63}	φ_{66}	φ_{70}	φ_{75}	φ_{85}
$1105_1 = \chi_7$	1	.	.	.	.	.	.	.	.	.	.	.
$5355_1 = \chi_{15}$	.	1	.	.	.	.	.	.	.	.	.	.
$33320_1 = \chi_{28}$	1	.	.	1	.	.	.	.	.	.	.	.
$46410_1 = \chi_{32}$	.	.	1	1	.	.	.	.	.	.	.	.
$70720_1 = \chi_{37}$	.	1	.	.	.	1	.	.	.	.	.	.
$85085_1 = \chi_{39}$	.	.	.	.	.	.	1	.	.	.	.	.
$123760_2 = \chi_{45}$	.	.	.	.	1	1	.	.	.	.	.	.
$247520_1 = \chi_{64}$	1	.	1	1	.	.	.	1	.	.	.	.
$318240_1 = \chi_{71}$	.	.	.	.	.	.	1	.	1	.	.	.
$388960_1 = \chi_{79}$	.	1	1	.	.	.	.	.	.	.	1	.
$399840_1 = \chi_{80}$	.	.	.	.	.	.	1	.	.	1	.	.
$433160_1 = \chi_{82}$	.	.	.	.	.	.	.	1	1	.	.	.
$680680_1 = \chi_{96}$	.	.	.	.	.	1	.	.	.	.	.	1
$1113840_1 = \chi_{122}$	.	1	.	.	1	1	.	.	.	.	1	1
$1299480_1 = \chi_{123}$	.	.	.	.	.	.	.	.	.	1	1	1
$1361360_1 = \chi_{126}$	1	.	.	.	1	.	.	.	.	.	.	.
$1750320_1 = \chi_{139}$	1	.	1	.	.	.	.	1	1	.	.	.
$2598960_1 = \chi_{152}$	.	.	.	.	.	.	1	.	1	1	.	.
$2722720_1 = \chi_{153}$	.	.	1	.	1	.	.	.	.	1	1	.
$3573570_1 = \chi_{155}$	.	.	1	.	1	.	.	.	1	.	.	.

(Block 4:)	φ_{101}	φ_{105}		
$1105_1 = \chi_7$.	.		
$5355_1 = \chi_{15}$.	.		
$33320_1 = \chi_{28}$.	.	$\varphi_8 =$	1105_1
$46410_1 = \chi_{32}$.	.	$\varphi_{16} =$	5355_1
$70720_1 = \chi_{37}$.	.	$\varphi_{25} =$	14195_1
$85085_1 = \chi_{39}$.	.	$\varphi_{28} =$	32215_1
$123760_2 = \chi_{45}$.	.	$\varphi_{41} =$	58395_1
$247520_1 = \chi_{64}$.	.	$\varphi_{42} =$	65365_1
$318240_1 = \chi_{71}$.	.	$\varphi_{47} =$	85085_1
$388960_1 = \chi_{79}$.	.	$\varphi_{63} =$	200005_1
$399840_1 = \chi_{80}$.	.	$\varphi_{66} =$	233155_1
$433160_1 = \chi_{82}$.	.	$\varphi_{70} =$	314755_1
$680680_1 = \chi_{96}$.	.	$\varphi_{75} =$	369410_1
$1113840_1 = \chi_{122}$.	.	$\varphi_{85} =$	615315_1
$1299480_1 = \chi_{123}$.	.	$\varphi_{101} =$	1301860_1
$1361360_1 = \chi_{126}$	1	.	$\varphi_{105} =$	1965965_1
$1750320_1 = \chi_{139}$	1	.		
$2598960_1 = \chi_{152}$.	1		
$2722720_1 = \chi_{153}$.	1		
$3573570_1 = \chi_{155}$	1	1		

Block 5:	φ_{10}	φ_{84}	φ_{86}	φ_{100}		
$1700_1 = \chi_8$	1	.	.	.	$\varphi_{10} =$	1700_1
$486200_1 = \chi_{84}$	.	1	.	.	$\varphi_{84} =$	486200_1
$618800_2 = \chi_{93}$	1	.	1	.	$\varphi_{86} =$	617100_1
$1570800_1 = \chi_{133}$	.	1	.	1	$\varphi_{100} =$	1084600_1
$1701700_1 = \chi_{137}$	.	.	1	1		

Block 6:	φ_{27}	φ_{65}	φ_{97}	φ_{98}		
$20400_1 = \chi_{25}$	1	.	.	.	$\varphi_{27} =$	20400_1
$243100_1 = \chi_{63}$	1	1	.	.	$\varphi_{65} =$	222700_1
$972400_2 = \chi_{113}$	.	.	.	1	$\varphi_{97} =$	860200_1
$1082900_2 = \chi_{118}$	.	1	1	.	$\varphi_{98} =$	972400_1
$1832600_1 = \chi_{141}$	.	.	1	1		

Block 7:	φ_{30}	φ_{48}	φ_{99}	φ_{104}	
$35700_1 = \chi_{29}$	1	.	.	.	$\varphi_{30} = 35700_1$
$121550_1 = \chi_{43}$	1	1	.	.	$\varphi_{48} = 85850_1$
$1047200_1 = \chi_{115}$	.	.	1	.	$\varphi_{99} = 1047200_1$
$1591200_1 = \chi_{134}$	.	1	.	1	$\varphi_{104} = 1505350_1$
$2552550_1 = \chi_{151}$	.	.	1	1	

Block 8:	φ_{32}	φ_{60}	φ_{74}	φ_{96}	
$37400_1 = \chi_{30}$	1	.	.	.	$\varphi_{32} = 37400_1$
$364650_1 = \chi_{78}$	.	.	1	.	$\varphi_{60} = 158950_1$
$523600_1 = \chi_{85}$	.	1	1	.	$\varphi_{74} = 364650_1$
$850850_1 = \chi_{107}$	1	.	.	1	$\varphi_{96} = 813450_1$
$972400_1 = \chi_{112}$	.	1	.	1	

Block 9:	φ_{33}	φ_{107}	
$38675_1 = \chi_{31}$	1	.	$\varphi_{33} = 38675_1$
$2436525_1 = \chi_{147}$	.	1	$\varphi_{107} = 2436525_1$
$2436525_2 = \chi_{148}$	.	1	
$2475200_1 = \chi_{150}$	1	1	

Block 11:	φ_{68}	φ_{72}	φ_{92}	φ_{103}	
$333200_1 = \chi_{73}$	.	1	.	.	$\varphi_{68} = 285600_1$
$618800_1 = \chi_{92}$	1	1	.	.	$\varphi_{72} = 333200_1$
$749700_1 = \chi_{102}$	.	.	1	.	$\varphi_{92} = 749700_1$
$1701700_2 = \chi_{138}$	1	.	.	1	$\varphi_{103} = 1416100_1$
$2165800_1 = \chi_{143}$	.	.	1	1	

Block 12:	φ_{73}	φ_{90}	
$353600_1 = \chi_{77}$	1	.	$\varphi_{73} = 353600_1$
$729300_1 = \chi_{99}$	.	1	$\varphi_{90} = 729300_1$
$729300_2 = \chi_{100}$	.	1	
$1082900_1 = \chi_{117}$	1	1	