

$Ru \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	7×6
	2	0	$378_1 = \chi_2, \varphi_2$
	$3 = \overline{2}$	0	$378_2 = \chi_3, \varphi_3$
	4	0	$406_1 = \chi_4, \varphi_4$
	5	0	$3276_1 = \chi_6, \varphi_6$
	6	0	$3654_1 = \chi_7, \varphi_7$
	7	0	$20475_1 = \chi_8, \varphi_8$
	8	0	$23751_1 = \chi_{10}, \varphi_{10}$
	9	1	5×2
	10	0	$27405_1 = \chi_{14}, \varphi_{12}$
	11	0	$34944_1 = \chi_{15}, \varphi_{14}$
	12	0	$34944_2 = \chi_{16}, \varphi_{15}$
	13	0	$43848_1 = \chi_{17}, \varphi_{16}$
	14	0	$43848_2 = \chi_{18}, \varphi_{17}$
	15	0	$43848_3 = \chi_{19}, \varphi_{18}$
	16	0	$45500_1 = \chi_{20}, \varphi_{19}$
	17	0	$52780_1 = \chi_{21}, \varphi_{20}$
	18	0	$63336_1 = \chi_{22}, \varphi_{21}$
	19	0	$65975_1 = \chi_{23}, \varphi_{22}$
	20	0	$71253_1 = \chi_{24}, \varphi_{23}$
	21	0	$76125_1 = \chi_{26}, \varphi_{25}$
	22	0	$91350_1 = \chi_{28}, \varphi_{28}$
	23	0	$95004_1 = \chi_{29}, \varphi_{29}$
	24	0	$98280_1 = \chi_{30}, \varphi_{30}$
	25	0	$98280_2 = \chi_{31}, \varphi_{31}$
	26	0	$105560_1 = \chi_{33}, \varphi_{32}$
$2.G :$	27	0	$28_1 = \chi_{37}, \varphi_{33}$
	$28 = \overline{27}$	0	$28_2 = \chi_{38}, \varphi_{34}$
	29	1	7×6
	30	0	$3276_2 = \chi_{41}, \varphi_{37}$
	$31 = \overline{30}$	0	$3276_3 = \chi_{42}, \varphi_{38}$
	32	0	$4032_1 = \chi_{43}, \varphi_{39}$
	$33 = \overline{32}$	0	$4032_2 = \chi_{44}, \varphi_{40}$
	34	0	$7280_1 = \chi_{45}, \varphi_{41}$
	$35 = \overline{34}$	0	$7280_2 = \chi_{46}, \varphi_{42}$
	36	0	$7308_1 = \chi_{47}, \varphi_{43}$
	$37 = \overline{36}$	0	$7308_2 = \chi_{48}, \varphi_{44}$
	38	0	$10556_1 = \chi_{51}, \varphi_{47}$
	$39 = \overline{38}$	0	$10556_2 = \chi_{52}, \varphi_{48}$
	40	0	$34944_3 = \chi_{53}, \varphi_{49}$

	blocks	defect	matrix
	41	0	$38976_1 = \chi_{54}, \varphi_{50}$
	$42 = \overline{41}$	0	$38976_2 = \chi_{55}, \varphi_{51}$
	43	0	$87696_1 = \chi_{57}, \varphi_{53}$
	44	0	$98280_3 = \chi_{58}, \varphi_{54}$
	$45 = \overline{44}$	0	$98280_4 = \chi_{59}, \varphi_{55}$

Block 1:	φ_1	φ_5	φ_9	φ_{13}	φ_{26}	φ_{27}	
$1_1 = \chi_1$	1	.	.	.	.	.	$\varphi_1 = 1_1$
$783_1 = \chi_5$	1	1	.	.	.	.	$\varphi_5 = 782_1$
$21750_1 = \chi_9$	.	.	1	.	.	.	$\varphi_9 = 21750_1$
$81432_1 = \chi_{27}$	.	1	.	.	1	.	$\varphi_{13} = 29942_1$
$110592_1 = \chi_{34}$	.	.	1	.	.	1	$\varphi_{26} = 80650_1$
$110592_2 = \chi_{35}$	.	.	.	1	1	.	$\varphi_{27} = 88842_1$
$118784_1 = \chi_{36}$	.	.	.	1	.	1	

Block 9:	φ_{11}	φ_{24}	
$27000_1 = \chi_{11}$	1	.	
$27000_2 = \chi_{12}$	1	.	$\varphi_{11} = 27000_1$
$27000_3 = \chi_{13}$	1	.	$\varphi_{24} = 75400_1$
$75400_1 = \chi_{25}$	.	1	
$102400_1 = \chi_{32}$	1	1	

Block 29:	φ_{35}	φ_{36}	φ_{45}	φ_{46}	φ_{52}	φ_{56}	
$1248_1 = \chi_{39}$	1	.	.	.	.	.	$\varphi_{35} = 1248_1$
$1248_2 = \chi_{40}$	.	1	.	.	.	.	$\varphi_{36} = 1248_2$
$8192_1 = \chi_{49}$	.	.	1	.	.	.	$\varphi_{45} = 8192_1$
$8192_2 = \chi_{50}$	.	.	.	1	.	.	$\varphi_{46} = 8192_2$
$48256_1 = \chi_{56}$	.	.	1	.	1	.	$\varphi_{52} = 40064_1$
$221184_1 = \chi_{60}$	1	1	.	1	.	1	$\varphi_{56} = 210496_1$
$250560_1 = \chi_{61}$	.	.	.	.	1	1	