

$Ru \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	15	54×6
	2	3	7×3

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_8
$1_1 = \chi_1$	1	.	.	.	.	.
$378_1 = \chi_2$	2	.	1	.	.	.
$378_2 = \chi_3$	2	.	1	.	.	.
$406_1 = \chi_4$	2	1	1	.	.	.
$783_1 = \chi_5$	3	1	2	.	.	.
$3276_1 = \chi_6$	4	1	2	2	.	.
$3654_1 = \chi_7$	6	1	3	2	.	.
$20475_1 = \chi_8$	11	2	5	2	.	1
$21750_1 = \chi_9$	12	3	5	3	.	1
$23751_1 = \chi_{10}$	3	2	1	.	1	1
$27000_1 = \chi_{11}$	8	2	3	2	1	1
$27000_2 = \chi_{12}$	8	2	3	2	1	1
$27000_3 = \chi_{13}$	8	2	3	2	1	1
$27405_1 = \chi_{14}$	9	3	4	2	1	1
$34944_1 = \chi_{15}$	10	4	4	1	.	2
$34944_2 = \chi_{16}$	10	4	4	1	.	2
$43848_1 = \chi_{17}$	12	4	5	2	1	2
$43848_2 = \chi_{18}$	12	4	5	2	1	2
$43848_3 = \chi_{19}$	12	4	5	2	1	2
$45500_1 = \chi_{20}$	14	5	6	3	1	2
$52780_1 = \chi_{21}$	14	5	6	3	2	2
$63336_1 = \chi_{22}$	18	6	8	5	3	2
$65975_1 = \chi_{23}$	25	7	11	5	1	3
$71253_1 = \chi_{24}$	21	7	9	4	2	3
$75400_1 = \chi_{25}$	26	8	10	7	2	3
$76125_1 = \chi_{26}$	15	6	6	3	3	3
$81432_1 = \chi_{27}$	24	8	10	6	3	3
$91350_1 = \chi_{28}$	30	9	13	6	2	4
$95004_1 = \chi_{29}$	24	9	10	4	3	4
$98280_1 = \chi_{30}$	28	10	12	6	3	4
$98280_2 = \chi_{31}$	28	10	12	6	3	4
$105560_1 = \chi_{33}$	28	10	12	6	4	4
$28_1 = \chi_{37}$	.	1	.	.	.	.
$28_2 = \chi_{38}$	.	1	.	.	.	.
$1248_1 = \chi_{39}$	2	.	.	1	.	.
$1248_2 = \chi_{40}$	2	.	.	1	.	.
$3276_2 = \chi_{41}$	4	1	2	2	.	.
$3276_3 = \chi_{42}$	4	1	2	2	.	.
$4032_1 = \chi_{43}$	8	1	4	2	.	.
$4032_2 = \chi_{44}$	8	1	4	2	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_8
$7280_1 = \chi_{45}$	.	.	.	.	1	.
$7280_2 = \chi_{46}$	.	.	.	.	1	.
$7308_1 = \chi_{47}$	.	1	.	.	1	.
$7308_2 = \chi_{48}$	.	1	.	.	1	.
$10556_1 = \chi_{51}$	4	1	2	2	1	.
$10556_2 = \chi_{52}$	4	1	2	2	1	.
$34944_3 = \chi_{53}$	10	4	4	1	.	2
$38976_1 = \chi_{54}$	18	5	8	3	.	2
$38976_2 = \chi_{55}$	18	5	8	3	.	2
$48256_1 = \chi_{56}$	8	4	4	.	2	2
$87696_1 = \chi_{57}$	24	8	10	4	2	4
$98280_3 = \chi_{58}$	28	10	12	6	3	4
$98280_4 = \chi_{59}$	28	10	12	6	3	4
$250560_1 = \chi_{61}$	72	24	30	16	8	10

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_2 &= 28_1 \\ \varphi_3 &= 376_1 \\ \varphi_4 &= 1246_1 \\ \varphi_5 &= 7280_1 \\ \varphi_8 &= 16036_1 \end{aligned}$$

Block 2:	φ_6	φ_7	φ_9
$102400_1 = \chi_{32}$	.	.	1
$110592_1 = \chi_{34}$	.	1	1
$110592_2 = \chi_{35}$	1	.	1
$118784_1 = \chi_{36}$	1	1	1
$8192_1 = \chi_{49}$	1	.	.
$8192_2 = \chi_{50}$	.	1	.
$221184_1 = \chi_{60}$	1	1	2

$$\begin{aligned} \varphi_6 &= 8192_1 \\ \varphi_7 &= 8192_2 \\ \varphi_9 &= 102400_1 \end{aligned}$$