

$J_2 \pmod{2}$

	blocks	defect	matrix
$2.G :$	1 2	8 3	31×7 7×3

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_9
$1_1 = \chi_1$	1	.	.	.	.	.	.
$14_1 = \chi_2$	.	.	.	1	.	.	.
$14_2 = \chi_3$	.	.	.	.	1	.	.
$21_1 = \chi_4$	1	1	.	.	1	.	.
$21_2 = \chi_5$	1	.	1	1	.	.	.
$36_1 = \chi_6$	.	.	.	.	.	1	.
$63_1 = \chi_7$	3	2	2	.	.	1	.
$70_1 = \chi_8$	2	2	1	1	.	1	.
$70_2 = \chi_9$	2	1	2	.	1	1	.
$90_1 = \chi_{10}$	2	2	2	1	1	1	.
$126_1 = \chi_{11}$	2	1	1	1	1	.	1
$175_1 = \chi_{13}$	3	2	2	1	1	1	1
$189_1 = \chi_{14}$	3	2	2	2	1	1	1
$189_2 = \chi_{15}$	3	2	2	1	2	1	1
$225_1 = \chi_{18}$	5	3	3	1	1	2	1
$300_1 = \chi_{20}$	4	3	3	2	2	1	2
$336_1 = \chi_{21}$	4	3	3	2	2	2	2
$6_1 = \chi_{22}$	.	1	.	.	.	.	.
$6_2 = \chi_{23}$	.	.	1	.	.	.	.
$14_3 = \chi_{24}$	2	1	1	.	.	.	.
$50_1 = \chi_{25}$	2	1	1	.	.	1	.
$50_2 = \chi_{26}$	2	1	1	.	.	1	.
$56_1 = \chi_{27}$	2	2	1	.	.	1	.
$56_2 = \chi_{28}$	2	1	2	.	.	1	.
$84_1 = \chi_{31}$	.	.	.	.	.	.	1
$126_2 = \chi_{32}$	2	1	1	.	2	.	1
$126_3 = \chi_{33}$	2	1	1	2	.	.	1
$216_1 = \chi_{34}$	4	3	3	2	2	1	1
$252_1 = \chi_{35}$	4	3	3	2	2	2	1
$336_2 = \chi_{36}$	4	3	3	2	2	2	2
$350_1 = \chi_{37}$	6	4	4	2	2	2	2

$$\begin{aligned}
 \varphi_1 &= 1_1 \\
 \varphi_2 &= 6_1 \\
 \varphi_3 &= 6_2 \\
 \varphi_4 &= 14_1 \\
 \varphi_5 &= 14_2 \\
 \varphi_6 &= 36_1 \\
 \varphi_9 &= 84_1
 \end{aligned}$$

Block 2:	φ_7	φ_8	φ_{10}
$160_1 = \chi_{12}$	.	.	1
$224_1 = \chi_{16}$	1	.	1
$224_2 = \chi_{17}$	.	1	1
$288_1 = \chi_{19}$	1	1	1
$64_1 = \chi_{29}$	1	.	.
$64_2 = \chi_{30}$	.	1	.
$448_1 = \chi_{38}$	1	1	2

$$\begin{aligned} \varphi_7 &= 64_1 \\ \varphi_8 &= 64_2 \\ \varphi_{10} &= 160_1 \end{aligned}$$