

$R(27) \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	8×2
	2	1	8×2
	3	0	$741_1 = \chi_3, \varphi_3$
	$4 = \bar{3}$	0	$741_2 = \chi_4, \varphi_4$
	5	0	$1443_1 = \chi_5, \varphi_5$
	$6 = \bar{5}$	0	$1443_2 = \chi_6, \varphi_6$
	7	0	$2184_1 = \chi_7, \varphi_7$
	$8 = \bar{7}$	0	$2184_2 = \chi_8, \varphi_8$
	9	0	$13832_1 = \chi_9, \varphi_9$
	10	0	$13832_2 = \chi_{10}, \varphi_{10}$
	11	0	$13832_3 = \chi_{11}, \varphi_{11}$

	blocks	defect	matrix
	12	0	$13832_4 = \chi_{12}, \varphi_{12}$
	13	0	$13832_5 = \chi_{13}, \varphi_{13}$
	14	0	$13832_6 = \chi_{14}, \varphi_{14}$
	15	0	$18278_1 = \chi_{15}, \varphi_{15}$
	16	0	$18278_2 = \chi_{16}, \varphi_{16}$
	17	0	$18278_3 = \chi_{17}, \varphi_{17}$
	18	0	$18278_4 = \chi_{18}, \varphi_{18}$
	19	0	$26936_1 = \chi_{33}, \varphi_{21}$
	20	0	$26936_2 = \chi_{34}, \varphi_{22}$
	21	0	$26936_3 = \chi_{35}, \varphi_{23}$

Block 1:	φ_1	φ_{20}
$1_1 = \chi_1$	1	.
$19683_1 = \chi_{20}$	.	1
$19684_1 = \chi_{21}$	1	1
$19684_2 = \chi_{22}$	1	1
$19684_3 = \chi_{23}$	1	1
$19684_4 = \chi_{24}$	1	1
$19684_5 = \chi_{25}$	1	1
$19684_6 = \chi_{26}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{20} &= 19683_1 \end{aligned}$$

Block 2:	φ_2	φ_{19}
$703_1 = \chi_2$	1	.
$18981_1 = \chi_{19}$	.	1
$19684_7 = \chi_{27}$	1	1
$19684_8 = \chi_{28}$	1	1
$19684_9 = \chi_{29}$	1	1
$19684_{10} = \chi_{30}$	1	1
$19684_{11} = \chi_{31}$	1	1
$19684_{12} = \chi_{32}$	1	1

$$\begin{aligned} \varphi_2 &= 703_1 \\ \varphi_{19} &= 18981_1 \end{aligned}$$