

## $R(27) \pmod{19}$

	blocks	defect	matrix
$G :$	1	1	$9 \times 6$
	2	0	$703_1 = \chi_2, \varphi_2$
	3	0	$741_1 = \chi_3, \varphi_3$
	$4 = \bar{3}$	0	$741_2 = \chi_4, \varphi_4$
	5	0	$13832_1 = \chi_9, \varphi_9$
	6	0	$13832_2 = \chi_{10}, \varphi_{10}$
	7	0	$13832_3 = \chi_{11}, \varphi_{11}$
	8	0	$13832_4 = \chi_{12}, \varphi_{12}$
	9	0	$13832_5 = \chi_{13}, \varphi_{13}$
	10	0	$13832_6 = \chi_{14}, \varphi_{14}$
	11	0	$18278_1 = \chi_{15}, \varphi_{15}$
	12	0	$18278_2 = \chi_{16}, \varphi_{16}$
	13	0	$18278_3 = \chi_{17}, \varphi_{17}$
	14	0	$18278_4 = \chi_{18}, \varphi_{18}$

	blocks	defect	matrix
	15	0	$18981_1 = \chi_{19}, \varphi_{19}$
	16	0	$19684_1 = \chi_{21}, \varphi_{21}$
	17	0	$19684_2 = \chi_{22}, \varphi_{22}$
	18	0	$19684_3 = \chi_{23}, \varphi_{23}$
	19	0	$19684_4 = \chi_{24}, \varphi_{24}$
	20	0	$19684_5 = \chi_{25}, \varphi_{25}$
	21	0	$19684_6 = \chi_{26}, \varphi_{26}$
	22	0	$19684_7 = \chi_{27}, \varphi_{27}$
	23	0	$19684_8 = \chi_{28}, \varphi_{28}$
	24	0	$19684_9 = \chi_{29}, \varphi_{29}$
	25	0	$19684_{10} = \chi_{30}, \varphi_{30}$
	26	0	$19684_{11} = \chi_{31}, \varphi_{31}$
	27	0	$19684_{12} = \chi_{32}, \varphi_{32}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_{20}$
$1_1 = \chi_1$	1	.	.	.	.	.
$1443_1 = \chi_5$	.	1	.	.	.	.
$1443_2 = \chi_6$	.	.	1	.	.	.
$2184_1 = \chi_7$	.	.	.	1	.	.
$2184_2 = \chi_8$	.	.	.	.	1	.
$19683_1 = \chi_{20}$	1	.	.	.	.	1
$26936_1 = \chi_{33}$	.	1	1	1	1	1
$26936_2 = \chi_{34}$	.	1	1	1	1	1
$26936_3 = \chi_{35}$	.	1	1	1	1	1

$$\begin{aligned}
 \varphi_1 &= 1_1 \\
 \varphi_5 &= 1443_1 \\
 \varphi_6 &= 1443_2 \\
 \varphi_7 &= 2184_1 \\
 \varphi_8 &= 2184_2 \\
 \varphi_{20} &= 19682_1
 \end{aligned}$$