

## $R(27) \pmod{37}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	$12 \times 6$		13	0	$19684_4 = \chi_{24}, \varphi_{18}$
	2	0	$703_1 = \chi_2, \varphi_2$		14	0	$19684_5 = \chi_{25}, \varphi_{19}$
	3	0	$1443_1 = \chi_5, \varphi_5$		15	0	$19684_6 = \chi_{26}, \varphi_{20}$
	$4 = \bar{3}$	0	$1443_2 = \chi_6, \varphi_6$		16	0	$19684_7 = \chi_{27}, \varphi_{21}$
	5	0	$18278_1 = \chi_{15}, \varphi_{10}$		17	0	$19684_8 = \chi_{28}, \varphi_{22}$
	6	0	$18278_2 = \chi_{16}, \varphi_{11}$		18	0	$19684_9 = \chi_{29}, \varphi_{23}$
	7	0	$18278_3 = \chi_{17}, \varphi_{12}$		19	0	$19684_{10} = \chi_{30}, \varphi_{24}$
	8	0	$18278_4 = \chi_{18}, \varphi_{13}$		20	0	$19684_{11} = \chi_{31}, \varphi_{25}$
	9	0	$18981_1 = \chi_{19}, \varphi_{14}$		21	0	$19684_{12} = \chi_{32}, \varphi_{26}$
	10	0	$19684_1 = \chi_{21}, \varphi_{15}$		22	0	$26936_1 = \chi_{33}, \varphi_{27}$
	11	0	$19684_2 = \chi_{22}, \varphi_{16}$		23	0	$26936_2 = \chi_{34}, \varphi_{28}$
	12	0	$19684_3 = \chi_{23}, \varphi_{17}$		24	0	$26936_3 = \chi_{35}, \varphi_{29}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_3$	$\varphi_4$	$\varphi_7$	$\varphi_8$	$\varphi_9$	
$1_1 = \chi_1$	1	.	.	.	.	.	
$741_1 = \chi_3$	.	1	.	.	.	.	
$741_2 = \chi_4$	.	.	1	.	.	.	$\varphi_1 = 1_1$
$2184_1 = \chi_7$	.	.	.	1	.	.	$\varphi_3 = 741_1$
$2184_2 = \chi_8$	.	.	.	.	1	.	$\varphi_4 = 741_2$
$13832_1 = \chi_9$	.	.	.	.	.	1	$\varphi_7 = 2184_1$
$13832_2 = \chi_{10}$	.	.	.	.	.	1	$\varphi_8 = 2184_2$
$13832_3 = \chi_{11}$	.	.	.	.	.	1	$\varphi_9 = 13832_1$
$13832_4 = \chi_{12}$	.	.	.	.	.	1	
$13832_5 = \chi_{13}$	.	.	.	.	.	1	
$13832_6 = \chi_{14}$	.	.	.	.	.	1	
$19683_1 = \chi_{20}$	1	1	1	1	1	1	