

$R(27) \pmod{2}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	3	8×5		11	1	2×1
	2	0	$2184_1 = \chi_7, \varphi_5$		12	1	2×1
	$3 = \bar{2}$	0	$2184_2 = \chi_8, \varphi_6$		13	1	2×1
	4	0	$13832_1 = \chi_9, \varphi_7$		14	1	2×1
	5	0	$13832_2 = \chi_{10}, \varphi_8$		15	1	2×1
	6	0	$13832_3 = \chi_{11}, \varphi_9$		16	1	2×1
	7	0	$13832_4 = \chi_{12}, \varphi_{10}$		17	0	$26936_1 = \chi_{33}, \varphi_{21}$
	8	0	$13832_5 = \chi_{13}, \varphi_{11}$		18	0	$26936_2 = \chi_{34}, \varphi_{22}$
	9	0	$13832_6 = \chi_{14}, \varphi_{12}$		19	0	$26936_3 = \chi_{35}, \varphi_{23}$
	10	2	4×1				

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_{13}	
$1_1 = \chi_1$	1	.	.	.	.	$\varphi_1 = 1_1$
$703_1 = \chi_2$	1	1	.	.	.	$\varphi_2 = 702_1$
$741_1 = \chi_3$	.	.	1	.	.	$\varphi_3 = 741_1$
$741_2 = \chi_4$	.	.	.	1	.	$\varphi_4 = 741_2$
$1443_1 = \chi_5$	.	1	1	.	.	$\varphi_{13} = 16796_1$
$1443_2 = \chi_6$	.	1	.	1	.	
$18981_1 = \chi_{19}$	1	1	1	1	1	
$19683_1 = \chi_{20}$	1	2	1	1	1	

Block 10:	φ_{14}	
$18278_1 = \chi_{15}$	1	$\varphi_{14} = 18278_1$
$18278_2 = \chi_{16}$	1	
$18278_3 = \chi_{17}$	1	
$18278_4 = \chi_{18}$	1	

Block 11:	φ_{15}	
$19684_1 = \chi_{21}$	1	$\varphi_{15} = 19684_1$
$19684_7 = \chi_{27}$	1	

Block 12:	φ_{16}	
$19684_2 = \chi_{22}$	1	$\varphi_{16} = 19684_2$
$19684_8 = \chi_{28}$	1	

Block 13:	φ_{17}
$19684_3 = \chi_{23}$	1
$19684_9 = \chi_{29}$	1

$$\varphi_{17} = 19684_3$$

Block 14:	φ_{18}
$19684_4 = \chi_{24}$	1
$19684_{10} = \chi_{30}$	1

$$\varphi_{18} = 19684_4$$

Block 15:	φ_{19}
$19684_5 = \chi_{25}$	1
$19684_{11} = \chi_{31}$	1

$$\varphi_{19} = 19684_5$$

Block 16:	φ_{20}
$19684_6 = \chi_{26}$	1
$19684_{12} = \chi_{32}$	1

$$\varphi_{20} = 19684_6$$