

$$L_2(29) \pmod{5}$$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	4×2	$2.G :$	11	1	4×2
	2	0	$15_1 = \chi_2, \varphi_2$		12	1	5×1
	3	0	$15_2 = \chi_3, \varphi_3$		13	0	$30_7 = \chi_{27}, \varphi_{15}$
	4	1	5×1		14	0	$30_8 = \chi_{28}, \varphi_{16}$
	5	0	$30_1 = \chi_{12}, \varphi_6$		15	0	$30_9 = \chi_{29}, \varphi_{17}$
	6	0	$30_2 = \chi_{13}, \varphi_7$		16	0	$30_{10} = \chi_{30}, \varphi_{18}$
	7	0	$30_3 = \chi_{14}, \varphi_8$		17	0	$30_{11} = \chi_{31}, \varphi_{19}$
	8	0	$30_4 = \chi_{15}, \varphi_9$		18	0	$30_{12} = \chi_{32}, \varphi_{20}$
	9	0	$30_5 = \chi_{16}, \varphi_{10}$		19	0	$30_{13} = \chi_{33}, \varphi_{21}$
	10	0	$30_6 = \chi_{17}, \varphi_{11}$				

Block 1:	φ_1	φ_5	
$1_1 = \chi_1$	1	.	$\varphi_1 = 1_1$
$28_2 = \chi_5$	.	1	$\varphi_5 = 28_2$
$28_3 = \chi_6$	.	1	
$29_1 = \chi_{11}$	1	1	

Block 4:	φ_4	
$28_1 = \chi_4$	1	$\varphi_4 = 28_1$
$28_4 = \chi_7$	1	
$28_5 = \chi_8$	1	
$28_6 = \chi_9$	1	
$28_7 = \chi_{10}$	1	

Block 11:	φ_{12}	φ_{13}	
$14_1 = \chi_{18}$	1	.	$\varphi_{12} = 14_1$
$14_2 = \chi_{19}$	.	1	$\varphi_{13} = 14_2$
$28_9 = \chi_{21}$	1	1	
$28_{10} = \chi_{22}$	1	1	

Block 12:	φ_{14}
$28_8 = \chi_{20}$	1
$28_{11} = \chi_{23}$	1
$28_{12} = \chi_{24}$	1
$28_{13} = \chi_{25}$	1
$28_{14} = \chi_{26}$	1

$$\varphi_{14} = 28_3$$