

$O_8^-(2) \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	5×4		10	0	$2295_1 = \chi_{26}, \varphi_{21}$
	2	1	4×2		11	0	$2295_2 = \chi_{27}, \varphi_{22}$
	3	1	5×4		12	0	$2295_3 = \chi_{28}, \varphi_{23}$
	4	1	5×4		13	0	$2835_1 = \chi_{29}, \varphi_{24}$
	5	1	4×2		14	0	$2835_2 = \chi_{30}, \varphi_{25}$
	6	0	$595_1 = \chi_{10}, \varphi_{10}$		15	0	$2835_3 = \chi_{31}, \varphi_{26}$
	7	1	4×2		16	0	$2835_4 = \chi_{32}, \varphi_{27}$
	8	0	$1020_1 = \chi_{13}, \varphi_{14}$		17	0	$4760_1 = \chi_{38}, \varphi_{29}$
	9	0	$1190_1 = \chi_{18}, \varphi_{17}$		18	0	$5355_1 = \chi_{39}, \varphi_{30}$

Block 1:	φ_1	φ_5	φ_9	φ_{13}	
$1_1 = \chi_1$	1	.	.	.	$\varphi_1 = 1_1$
$204_2 = \chi_6$	1	1	.	.	$\varphi_5 = 203_1$
$476_2 = \chi_9$	.	.	1	.	$\varphi_9 = 476_1$
$1071_2 = \chi_{15}$	.	1	.	1	$\varphi_{13} = 868_1$
$1344_1 = \chi_{19}$	.	.	1	1	

Block 2:	φ_2	φ_{18}	
$34_1 = \chi_2$	1	.	$\varphi_2 = 34_1$
$2142_1 = \chi_{21}$	.	1	$\varphi_{18} = 2142_1$
$2142_2 = \chi_{22}$	.	1	
$2176_1 = \chi_{25}$	1	1	

Block 3:	φ_3	φ_{11}	φ_{15}	φ_{20}	
$51_1 = \chi_3$	1	.	.	.	$\varphi_3 = 51_1$
$714_2 = \chi_{12}$	1	1	.	.	$\varphi_{11} = 663_1$
$1071_1 = \chi_{14}$	.	.	1	.	$\varphi_{15} = 1071_1$
$2856_2 = \chi_{34}$	.	1	.	1	$\varphi_{20} = 2193_1$
$3264_1 = \chi_{35}$	.	.	1	1	

Block 4:	φ_4	φ_6	φ_8	φ_{28}	
$84_1 = \chi_4$	1	.	.	.	$\varphi_4 = 84_1$
$204_1 = \chi_5$	.	1	.	.	$\varphi_6 = 204_1$
$476_1 = \chi_8$	1	.	1	.	$\varphi_8 = 392_1$
$4096_1 = \chi_{36}$	.	1	.	1	$\varphi_{28} = 3892_1$
$4284_1 = \chi_{37}$	.	.	1	1	

Block 5:	φ_7	φ_{16}	
$357_1 = \chi_7$	1	.	$\varphi_7 = 357_1$
$1071_3 = \chi_{16}$	.	1	$\varphi_{16} = 1071_2$
$1071_4 = \chi_{17}$	.	1	
$1428_1 = \chi_{20}$	1	1	

Block 7:	φ_{12}	φ_{19}	
$714_1 = \chi_{11}$	1	.	$\varphi_{12} = 714_1$
$2142_3 = \chi_{23}$	.	1	$\varphi_{19} = 2142_2$
$2142_4 = \chi_{24}$	.	1	
$2856_1 = \chi_{33}$	1	1	