

$A_{10} \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	2	13×10		7	0	$450_1 = \chi_{22}, \varphi_{19}$
	2	1	5×4		8	0	$525_1 = \chi_{23}, \varphi_{20}$
	3	0	$75_1 = \chi_6, \varphi_{10}$	$2.G :$	9	2	13×10
	4	0	$225_1 = \chi_{14}, \varphi_{16}$		10	0	$400_1 = \chi_{36}, \varphi_{31}$
	5	0	$300_1 = \chi_{17}, \varphi_{17}$		11	0	$800_1 = \chi_{39}, \varphi_{32}$
	6	0	$350_1 = \chi_{19}, \varphi_{18}$				

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_6	φ_7	φ_9	φ_{11}	φ_{12}	φ_{15}	
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	$\varphi_1 = 1_1$
$9_1 = \chi_2$	1	1	.	.	.	.	.	.	.	.	$\varphi_2 = 8_1$
$36_1 = \chi_4$	.	1	1	.	.	.	.	.	.	.	$\varphi_3 = 28_1$
$42_1 = \chi_5$	.	1	.	1	.	.	.	.	.	.	$\varphi_4 = 34_1$
$84_1 = \chi_7$	.	.	1	.	.	.	1	.	.	.	$\varphi_6 = 35_2$
$126_1 = \chi_9$	.	.	.	.	1	1	1	.	.	.	$\varphi_7 = 35_3$
$224_1 = \chi_{12}$	.	.	.	.	1	.	1	.	1	.	$\varphi_9 = 56_1$
$224_2 = \chi_{13}$	.	.	.	.	.	1	1	1	.	.	$\varphi_{11} = 133_1$
$252_1 = \chi_{15}$	1	.	.	1	.	.	.	.	.	1	$\varphi_{12} = 133_2$
$288_1 = \chi_{16}$	1	1	1	1	.	.	.	.	.	1	$\varphi_{15} = 217_1$
$384_1 = \chi_{20}$	.	.	.	1	.	.	.	1	.	1	
$384_2 = \chi_{21}$	.	.	.	1	.	.	.	.	1	1	
$567_1 = \chi_{24}$	.	.	1	.	.	.	1	1	1	1	

Block 2:	φ_5	φ_8	φ_{13}	φ_{14}	
$35_1 = \chi_3$	1	.	.	.	$\varphi_5 = 35_1$
$90_1 = \chi_8$	1	1	.	.	$\varphi_8 = 55_1$
$160_1 = \chi_{10}$	.	.	.	1	$\varphi_{13} = 155_1$
$210_1 = \chi_{11}$	.	1	1	.	$\varphi_{14} = 160_1$
$315_1 = \chi_{18}$	.	.	1	1	

Block 9:	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}	
$16_1 = \chi_{25}$	1	1	.	.	.	.	.	.	.	.	$\varphi_{21} = 8_2$
$48_1 = \chi_{26}$	.	.	1	.	.	.	.	.	.	.	$\varphi_{22} = 8_3$
$48_2 = \chi_{27}$	.	.	.	1	.	.	.	.	.	.	$\varphi_{23} = 48_1$
$64_1 = \chi_{28}$	.	1	.	.	1	.	.	.	.	.	$\varphi_{24} = 48_2$
$64_2 = \chi_{29}$	1	.	.	.	.	1	.	.	.	.	$\varphi_{25} = 56_2$
$216_1 = \chi_{30}$	.	.	.	.	1	.	.	1	.	.	$\varphi_{26} = 56_3$
$216_2 = \chi_{31}$	.	.	.	.	.	1	1	.	.	.	$\varphi_{27} = 160_2$
$336_1 = \chi_{32}$	1	1	1	1	1	.	.	.	.	1	$\varphi_{28} = 160_3$
$336_2 = \chi_{33}$	1	1	1	1	.	1	.	.	1	.	$\varphi_{29} = 168_1$
$384_3 = \chi_{34}$	.	.	.	.	1	.	.	1	.	1	$\varphi_{30} = 168_2$
$384_4 = \chi_{35}$	.	.	.	.	.	1	1	.	1	.	
$432_1 = \chi_{37}$	.	.	1	1	.	.	.	.	1	1	
$448_1 = \chi_{38}$	1	1	1	1	.	.	.	.	1	1	