

$HS \pmod{5}$

	blocks	defect	matrix
$G :$	1 2 3 4	3 1 0 0	17×10 5×4 $1750_1 = \chi_{19}, \varphi_{14}$ $2750_1 = \chi_{23}, \varphi_{16}$
$2.G :$	5 6	3 0	17×10 $1000_1 = \chi_{32}, \varphi_{27}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_8	φ_9	φ_{10}	φ_{11}		
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.		
$22_1 = \chi_2$	1	1	.	.	.	.	.	.	.	.		
$77_1 = \chi_3$	1	1	1	.	.	.	.	.	.	.		
$154_1 = \chi_4$	1	.	1	1	.	.	.	.	.	.	$\varphi_1 =$	1_1
$154_2 = \chi_5$	.	1	.	.	1	.	.	.	.	.	$\varphi_2 =$	21_1
$154_3 = \chi_6$	.	1	.	.	.	1	.	.	.	.	$\varphi_3 =$	55_1
$231_1 = \chi_8$	.	1	.	.	.	.	1	.	.	.	$\varphi_4 =$	98_1
$693_1 = \chi_9$	1	1	1	1	.	.	.	.	.	1	$\varphi_5 =$	133_1
$770_1 = \chi_{10}$	1	2	1	2	1	1	1	.	.	.	$\varphi_6 =$	133_2
$770_2 = \chi_{11}$	.	.	.	.	.	.	1	1	1	.	$\varphi_8 =$	210_1
$770_3 = \chi_{12}$	.	.	.	.	.	.	1	1	1	.	$\varphi_9 =$	280_1
$896_1 = \chi_{14}$	.	.	.	1	.	.	.	1	.	1	$\varphi_{10} =$	280_2
$896_2 = \chi_{15}$	.	.	.	1	.	.	.	.	1	1	$\varphi_{11} =$	518_1
$1056_1 = \chi_{16}$	.	1	1	2	1	1	.	.	.	1		
$1386_1 = \chi_{17}$	.	.	.	1	.	.	1	1	1	1		
$1408_1 = \chi_{18}$	1	1	.	1	.	.	1	1	1	1		
$2520_1 = \chi_{22}$	.	2	.	2	1	1	2	1	1	2		

Block 2:	φ_7	φ_{12}	φ_{13}	φ_{15}		
$175_1 = \chi_7$	1	.	.	.	$\varphi_7 =$	175_1
$825_1 = \chi_{13}$	1	1	.	.	$\varphi_{12} =$	650_1
$1925_1 = \chi_{20}$	.	1	1	.	$\varphi_{13} =$	1275_1
$1925_2 = \chi_{21}$	.	.	.	1	$\varphi_{15} =$	1925_1
$3200_1 = \chi_{24}$	.	.	1	1		

Block 5:	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}
$56_1 = \chi_{25}$	1	1	.	.	.	.	.	.	.	.
$176_1 = \chi_{26}$	1	1	1	.	.	.	.	.	.	.
$176_2 = \chi_{27}$	1	1	.	1	.	.	.	.	.	.
$616_1 = \chi_{28}$	1	1	.	1	1	.	.	.	.	.
$616_2 = \chi_{29}$	1	1	1	.	.	1	.	.	.	.
$924_1 = \chi_{30}$	1	.	1	.	.	.	.	.	1	.
$924_2 = \chi_{31}$	.	1	.	1	.	.	.	.	.	1
$1232_1 = \chi_{33}$	.	.	.	.	.	.	.	1	1	.
$1232_2 = \chi_{34}$	.	.	.	.	.	.	1	.	.	1
$1792_1 = \chi_{35}$	.	.	.	.	1	1	1	1	.	.
$1848_1 = \chi_{36}$	1	1	.	.	1	1	1	1	.	.
$1980_1 = \chi_{37}$	1	2	.	1	2	1	.	1	.	.
$1980_2 = \chi_{38}$	2	1	1	.	1	2	1	.	.	.
$2304_1 = \chi_{39}$	1	1	1	.	.	1	1	1	1	.
$2304_2 = \chi_{40}$	1	1	.	1	1	.	1	1	.	1
$2520_2 = \chi_{41}$	1	1	.	.	.	.	1	1	1	1
$2520_3 = \chi_{42}$	1	1	.	.	.	.	1	1	1	1

$$\begin{aligned}
\varphi_{17} &= 28_1 \\
\varphi_{18} &= 28_2 \\
\varphi_{19} &= 120_1 \\
\varphi_{20} &= 120_2 \\
\varphi_{21} &= 440_1 \\
\varphi_{22} &= 440_2 \\
\varphi_{23} &= 456_1 \\
\varphi_{24} &= 456_2 \\
\varphi_{25} &= 776_1 \\
\varphi_{26} &= 776_2
\end{aligned}$$