

$HS \pmod{11}$

	blocks	defect	matrix
$G :$	1	1	7×5
	2	0	$22_1 = \chi_2, \varphi_2$
	3	0	$77_1 = \chi_3, \varphi_3$
	4	0	$154_1 = \chi_4, \varphi_4$
	5	0	$154_2 = \chi_5, \varphi_5$
	6	0	$154_3 = \chi_6, \varphi_6$
	7	0	$231_1 = \chi_8, \varphi_8$
	8	0	$693_1 = \chi_9, \varphi_9$
	9	0	$770_1 = \chi_{10}, \varphi_{10}$
	10	0	$770_2 = \chi_{11}, \varphi_{11}$
	$11 = \overline{10}$	0	$770_3 = \chi_{12}, \varphi_{12}$
	12	0	$825_1 = \chi_{13}, \varphi_{13}$
	13	0	$1056_1 = \chi_{16}, \varphi_{16}$
	14	0	$1386_1 = \chi_{17}, \varphi_{17}$
	15	0	$1408_1 = \chi_{18}, \varphi_{18}$
	16	0	$1925_1 = \chi_{20}, \varphi_{19}$
	17	0	$1925_2 = \chi_{21}, \varphi_{20}$
	18	0	$2750_1 = \chi_{23}, \varphi_{22}$
$2.G :$	19	1	7×5
	20	0	$176_1 = \chi_{26}, \varphi_{24}$
	$21 = \overline{20}$	0	$176_2 = \chi_{27}, \varphi_{25}$
	22	0	$616_1 = \chi_{28}, \varphi_{27}$
	$23 = \overline{22}$	0	$616_2 = \chi_{29}, \varphi_{28}$
	24	0	$924_1 = \chi_{30}, \varphi_{30}$
	$25 = \overline{24}$	0	$924_2 = \chi_{31}, \varphi_{31}$
	26	0	$1232_1 = \chi_{33}, \varphi_{32}$
	$27 = \overline{26}$	0	$1232_2 = \chi_{34}, \varphi_{33}$
	28	0	$1848_1 = \chi_{36}, \varphi_{35}$
	29	0	$1980_1 = \chi_{37}, \varphi_{36}$
	$30 = \overline{29}$	0	$1980_2 = \chi_{38}, \varphi_{37}$

Block 1:	φ_1	φ_7	φ_{14}	φ_{15}	φ_{21}	
$1_1 = \chi_1$	1	.	.	.	.	$\varphi_1 = 1_1$
$175_1 = \chi_7$	1	1	.	.	.	$\varphi_7 = 174_1$
$896_1 = \chi_{14}$	.	.	.	1	.	$\varphi_{14} = 854_1$
$896_2 = \chi_{15}$	.	.	.	1	.	$\varphi_{15} = 896_1$
$1750_1 = \chi_{19}$	.	.	1	1	.	$\varphi_{21} = 2346_1$
$2520_1 = \chi_{22}$	.	1	.	.	1	
$3200_1 = \chi_{24}$	.	.	1	.	1	

Block 19:	φ_{23}	φ_{26}	φ_{29}	φ_{34}	φ_{38}
$56_1 = \chi_{25}$	1	.	.	.	.
$1000_1 = \chi_{32}$	.	1	1	.	.
$1792_1 = \chi_{35}$	.	.	.	1	.
$2304_1 = \chi_{39}$	1	.	.	.	1
$2304_2 = \chi_{40}$	1	.	.	.	1
$2520_2 = \chi_{41}$	.	.	1	1	.
$2520_3 = \chi_{42}$	.	1	.	.	1

$$\begin{aligned} \varphi_{23} &= 56_1 \\ \varphi_{26} &= 272_1 \\ \varphi_{29} &= 728_1 \\ \varphi_{34} &= 1792_1 \\ \varphi_{38} &= 2248_1 \end{aligned}$$