

***Th* (mod 13)**

	blocks	defect	matrix
<i>G</i> :	1	1	13×12
	2	1	8×6
	3	0	$30628_1 = \chi_6, \varphi_6$
	4	0	$30875_1 = \chi_7, \varphi_7$
	5	0	$61256_1 = \chi_8, \varphi_8$
	6	0	$85995_1 = \chi_9, \varphi_9$
	$7 = \overline{6}$	0	$85995_2 = \chi_{10}, \varphi_{10}$
	8	0	$767637_1 = \chi_{12}, \varphi_{12}$
	$9 = \overline{8}$	0	$767637_2 = \chi_{13}, \varphi_{13}$
	10	0	$957125_1 = \chi_{16}, \varphi_{15}$
	11	0	$1707264_1 = \chi_{17}, \varphi_{16}$
	$12 = \overline{11}$	0	$1707264_2 = \chi_{18}, \varphi_{17}$
	13	0	$2450240_1 = \chi_{19}, \varphi_{18}$
	14	0	$2572752_1 = \chi_{20}, \varphi_{19}$
	15	0	$3376737_1 = \chi_{21}, \varphi_{21}$
	16	0	$4936750_1 = \chi_{26}, \varphi_{25}$
	17	0	$6669000_1 = \chi_{27}, \varphi_{26}$
	$18 = \overline{17}$	0	$6669000_2 = \chi_{28}, \varphi_{27}$
	19	0	$11577384_1 = \chi_{32}, \varphi_{31}$
	20	0	$16539120_1 = \chi_{33}, \varphi_{32}$
	21	0	$18154500_1 = \chi_{34}, \varphi_{33}$
	22	0	$21326760_1 = \chi_{35}, \varphi_{34}$
	$23 = \overline{22}$	0	$21326760_2 = \chi_{36}, \varphi_{35}$
	24	0	$40199250_1 = \chi_{39}, \varphi_{38}$
	25	0	$51684750_1 = \chi_{41}, \varphi_{40}$
	26	0	$72925515_1 = \chi_{42}, \varphi_{42}$
	27	0	$77376000_1 = \chi_{44}, \varphi_{43}$
	28	0	$91171899_1 = \chi_{46}, \varphi_{44}$
	29	0	$190373976_1 = \chi_{48}, \varphi_{45}$

Block 1:	φ_1	φ_2	φ_4	φ_5	φ_{11}	φ_{22}	φ_{23}	φ_{24}	φ_{28}	φ_{29}	φ_{36}	φ_{37}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.
$248_1 = \chi_2$.	1	.	.	.	.	.	.	.	.	.	.
$27000_1 = \chi_4$.	.	1	.	.	.	.	.	.	.	.	.
$27000_2 = \chi_5$.	.	.	1	.	.	.	.	.	.	.	.
$147250_1 = \chi_{11}$.	1	.	.	1	.	.	.	.	.	.	.
$4096000_1 = \chi_{22}$	1	.	.	.	.	.	.
$4096000_2 = \chi_{23}$	1	.	.	.	.	.
$4881384_1 = \chi_{25}$.	.	1	1	1	.	.	1	.	.	.	.
$6696000_1 = \chi_{29}$	1	.	.	.
$6696000_2 = \chi_{30}$	1	.	.
$28861000_1 = \chi_{37}$	1	.	.	1	.
$30507008_1 = \chi_{38}$	1	.	.	.	.	.	.	.	.	.	.	1
$76271625_1 = \chi_{43}$	1	1	.	1	1	1	1

$$\begin{aligned}
\varphi_1 &= 1_1 & \varphi_{23} &= 4096000_2 \\
\varphi_2 &= 248_1 & \varphi_{24} &= 4680382_1 \\
\varphi_4 &= 27000_1 & \varphi_{28} &= 6696000_1 \\
\varphi_5 &= 27000_2 & \varphi_{29} &= 6696000_2 \\
\varphi_{11} &= 147002_1 & \varphi_{36} &= 24180618_1 \\
\varphi_{22} &= 4096000_1 & \varphi_{37} &= 30507007_1
\end{aligned}$$

Block 2:	φ_3	φ_{14}	φ_{20}	φ_{30}	φ_{39}	φ_{41}	
$4123_1 = \chi_3$	1	.	.	.	.	.	$\varphi_3 = 4123_1$
$779247_1 = \chi_{14}$	.	1	.	.	.	.	$\varphi_{14} = 779247_1$
$779247_2 = \chi_{15}$	.	1	.	.	.	.	$\varphi_{20} = 3343753_1$
$4123000_1 = \chi_{24}$	.	1	1	.	.	.	$\varphi_{30} = 10818752_1$
$10822875_1 = \chi_{31}$	1	.	.	1	.	.	$\varphi_{39} = 40986743_1$
$44330496_1 = \chi_{40}$	.	.	1	.	1	.	$\varphi_{41} = 70334257_1$
$81153009_1 = \chi_{45}$	.	.	.	1	.	1	
$111321000_1 = \chi_{47}$	.	.	.	.	1	1	