$Th \pmod{19}$

	blocks	defect	matrix
$G:$	1	1	19×18
	2	0	$4123_1 = \chi_3, \varphi_3$
	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	$147250_1 = \chi_{11}, \varphi_{11}$
	7	0	$779247_1 = \chi_{14}, \varphi_{14}$
	$8 = \overline{7}$	0	$779247_2 = \chi_{15}, \varphi_{15}$
	9	0	$957125_1 = \chi_{16}, \varphi_{16}$
	10	0	$1707264_1 = \chi_{17}, \varphi_{17}$
	$11 = \overline{10}$	0	$1707264_2 = \chi_{18}, \varphi_{18}$
	12	0	$2450240_1 = \chi_{19}, \varphi_{19}$
	13	0	$2572752_1 = \chi_{20}, \varphi_{20}$
	14	0	$3376737_1 = \chi_{21}, \varphi_{21}$
	15	0	$4123000_1 = \chi_{24}, \varphi_{24}$
	16	0	$6669000_1 = \chi_{27}, \varphi_{27}$
	$17 = \overline{16}$	0	$6669000_2 = \chi_{28}, \varphi_{28}$
	18	0	$10822875_1 = \chi_{31}, \varphi_{31}$
	19	0	$11577384_1 = \chi_{32}, \varphi_{32}$
	20	0	$16539120_1 = \chi_{33}, \varphi_{35}$
	21	0	$18154500_1 = \chi_{34}, \varphi_{36}$
	22	0	$28861000_1 = \chi_{37}, \varphi_{37}$
	23	0	$30507008_1 = \chi_{38}, \varphi_{38}$
	24	0	$40199250_1 = \chi_{39}, \varphi_{39}$
	25	0	$44330496_1 = \chi_{40}, \varphi_{40}$
	26	0	$51684750_1 = \chi_{41}, \varphi_{41}$
	27	0	$72925515_1 = \chi_{42}, \varphi_{44}$
	28	0	$81153009_1 = \chi_{45}, \varphi_{45}$
	29	0	$91171899_1 = \chi_{46}, \varphi_{46}$
	30	0	$111321000_1 = \chi_{47}, \varphi_{47}$

Block 1:	φ_1	φ_2	φ_4	φ_5	φ_9	φ_{10}	φ_{12}	φ_{13}	φ_{22}	φ_{23}	φ_{25}	φ_{26}	φ_{29}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.
$248_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.	.	.	.
$27000_1 = \chi_4$	.	.	1	.	.	.	.	.	.	.	.	.	.
$27000_2 = \chi_5$	.	.	.	1	.	.	.	.	.	.	.	.	.
$85995_1 = \chi_9$	.	.	.	.	1	.	.	.	.	.	.	.	.
$85995_2 = \chi_{10}$	.	.	.	.	.	1	.	.	.	.	.	.	.
$767637_1 = \chi_{12}$	.	.	1	.	.	.	1	.	.	.	.	.	.
$767637_2 = \chi_{13}$	.	.	.	1	.	.	.	1	.	.	.	.	.
$4096000_1 = \chi_{22}$	.	.	.	.	.	.	.	.	1	.	.	.	.
$4096000_2 = \chi_{23}$	.	.	.	.	.	.	.	.	.	1	.	.	.
$4881384_1 = \chi_{25}$	1	.	.	.	.	.	.	.	.	.	1	.	.
$4936750_1 = \chi_{26}$	.	1	.	.	.	.	.	.	.	.	.	1	.
$6696000_1 = \chi_{29}$	.	.	.	.	.	.	.	.	.	.	.	.	1
$6696000_2 = \chi_{30}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$21326760_1 = \chi_{35}$	.	.	.	.	.	.	.	1	.	1	.	.	.
$21326760_2 = \chi_{36}$	.	.	.	.	.	.	1	.	1	.	.	.	.
$76271625_1 = \chi_{43}$	.	.	.	.	.	.	.	.	.	.	.	1	.
$77376000_1 = \chi_{44}$	.	.	.	.	.	.	.	.	.	.	1	.	.
$190373976_1 = \chi_{48}$	.	.	.	.	1	1	.	.	.	.	.	.	1

(**Block 1:**)	φ_{30}	φ_{33}	φ_{34}	φ_{42}	φ_{43}
$1_1 = \chi_1$	.	.	.	.	.
$248_1 = \chi_2$	.	.	.	.	.
$27000_1 = \chi_4$	.	.	.	.	.
$27000_2 = \chi_5$	.	.	.	.	.
$85995_1 = \chi_9$	.	.	.	.	.
$85995_2 = \chi_{10}$	.	.	.	.	.
$767637_1 = \chi_{12}$	.	.	.	.	.
$767637_2 = \chi_{13}$	.	.	.	.	.
$4096000_1 = \chi_{22}$	.	.	.	.	.
$4096000_2 = \chi_{23}$	.	.	.	.	.
$4881384_1 = \chi_{25}$	.	.	.	.	.
$4936750_1 = \chi_{26}$	.	.	.	.	.
$6696000_1 = \chi_{29}$	.	.	.	.	.
$6696000_2 = \chi_{30}$	1	.	.	.	.
$21326760_1 = \chi_{35}$	.	.	1	.	.
$21326760_2 = \chi_{36}$	.	1	.	.	.
$76271625_1 = \chi_{43}$	.	.	.	1	.
$77376000_1 = \chi_{44}$	.	.	.	.	1
$190373976_1 = \chi_{48}$	1	1	1	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 248_1$
$\varphi_4 = 27000_1$
$\varphi_5 = 27000_2$
$\varphi_9 = 85995_1$
$\varphi_{10} = 85995_2$
$\varphi_{12} = 740637_1$
$\varphi_{13} = 740637_2$
$\varphi_{22} = 4096000_1$
$\varphi_{23} = 4096000_2$
$\varphi_{25} = 4881383_1$
$\varphi_{26} = 4936502_1$
$\varphi_{29} = 6696000_1$
$\varphi_{30} = 6696000_2$
$\varphi_{33} = 16490123_1$
$\varphi_{34} = 16490123_2$
$\varphi_{42} = 71335123_1$
$\varphi_{43} = 72494617_1$