

$ON.2 \pmod{19}$

	blocks	defect	matrix
$G :$	1	1	9×6
	2	1	9×6
	3	0	$10944_1 = \chi_{2,0}, \varphi_{2,0}$
	4	0	$10944_2 = \chi_{2,1}, \varphi_{2,1}$
	5	0	$26752_1 = \chi_{3+}, \varphi_{3+}$
	6	0	$51832_1 = \chi_{5+}, \varphi_{5+}$
	7	0	$26752_2 = \chi_{7,0}, \varphi_{7,0}$
	8	0	$26752_3 = \chi_{7,1}, \varphi_{7,1}$
	9	0	$64790_1 = \chi_{8+}, \varphi_{8+}$
	10	0	$37696_1 = \chi_{10,0}, \varphi_{10,0}$
	11	0	$37696_2 = \chi_{10,1}, \varphi_{10,1}$
	12	0	$52668_1 = \chi_{11,0}, \varphi_{11,0}$
	13	0	$52668_2 = \chi_{11,1}, \varphi_{11,1}$
	14	0	$58311_1 = \chi_{12,0}, \varphi_{12,0}$
	15	0	$58311_2 = \chi_{12,1}, \varphi_{12,1}$
	16	0	$116622_1 = \chi_{13+}, \varphi_{13+}$
	17	0	$58653_1 = \chi_{15,0}, \varphi_{15,0}$
	18	0	$58653_2 = \chi_{15,1}, \varphi_{15,1}$
	19	0	$129580_1 = \chi_{16+}, \varphi_{16+}$
	20	0	$143374_1 = \chi_{20,0}, \varphi_{23,0}$
	21	0	$143374_2 = \chi_{20,1}, \varphi_{23,1}$
	22	0	$169290_1 = \chi_{21,0}, \varphi_{24,0}$
	23	0	$169290_2 = \chi_{21,1}, \varphi_{24,1}$
	24	0	$169290_3 = \chi_{22,0}, \varphi_{25,0}$
	25	0	$169290_4 = \chi_{22,1}, \varphi_{25,1}$
	26	0	$234080_1 = \chi_{29,0}, \varphi_{26,0}$
	27	0	$234080_2 = \chi_{29,1}, \varphi_{26,1}$
	28	0	$234080_3 = \chi_{30,0}, \varphi_{27,0}$
	29	0	$234080_4 = \chi_{30,1}, \varphi_{27,1}$
$3.G :$	30	0	$684_1 = \chi_{31+}, \varphi_{28+}$
	$31 = \overline{30}$	0	$684_2 = \chi_{32+}, \varphi_{29+}$
	32	1	9×6
	33	0	$11286_1 = \chi_{35+}, \varphi_{32+}$
	34	0	$11286_2 = \chi_{36+}, \varphi_{33+}$
	$35 = \overline{34}$	0	$11286_3 = \chi_{37+}, \varphi_{34+}$
	36	0	$105336_1 = \chi_{38+}, \varphi_{36+}$
	37	0	$105336_2 = \chi_{39+}, \varphi_{37+}$
	38	0	$116622_2 = \chi_{40+}, \varphi_{38+}$
	39	0	$117306_1 = \chi_{41+}, \varphi_{39+}$
	40	0	$127224_1 = \chi_{42+}, \varphi_{40+}$

	blocks	defect	matrix
	41	0	222642 ₁ = $\chi_{43+}, \varphi_{42+}$
	42	0	233244 ₁ = $\chi_{44+}, \varphi_{43+}$
	43	0	338580 ₁ = $\chi_{46+}, \varphi_{44+}$
	44	0	338580 ₂ = $\chi_{47+}, \varphi_{45+}$
	45	0	339264 ₁ = $\chi_{48+}, \varphi_{46+}$
	46	0	339264 ₂ = $\chi_{49+}, \varphi_{47+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$	$\varphi_{22,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$85064_2 = \chi_{18,1}$	.	1	.	.	.	.	$\varphi_{18,1} = 85064_2$
$116963_2 = \chi_{19,1}$	1	.	.	.	.	1	$\varphi_{19,0} = 85218_1$
$175616_1 = \chi_{23,0}$	.	.	1	1	.	.	$\varphi_{20,1} = 90398_2$
$175616_3 = \chi_{24,0}$	.	1	.	.	1	.	$\varphi_{21,0} = 90552_1$
$175770_1 = \chi_{25,0}$	.	.	1	.	1	.	$\varphi_{22,1} = 116962_2$
$207360_2 = \chi_{26,1}$	.	.	.	1	.	1	
$207360_4 = \chi_{27,1}$	.	.	.	1	.	1	
$207360_6 = \chi_{28,1}$	.	.	.	1	.	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{18,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$	$\varphi_{21,1}$	$\varphi_{22,0}$	
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	$\varphi_{1,1} = 1_2$
$85064_1 = \chi_{18,0}$	.	1	.	.	.	.	$\varphi_{18,0} = 85064_1$
$116963_1 = \chi_{19,0}$	1	.	.	.	.	1	$\varphi_{19,1} = 85218_2$
$175616_2 = \chi_{23,1}$	.	.	1	1	.	.	$\varphi_{20,0} = 90398_1$
$175616_4 = \chi_{24,1}$	.	1	.	.	1	.	$\varphi_{21,1} = 90552_2$
$175770_2 = \chi_{25,1}$	.	.	1	.	1	.	$\varphi_{22,0} = 116962_1$
$207360_1 = \chi_{26,0}$	.	.	.	1	.	1	
$207360_3 = \chi_{27,0}$	.	.	.	1	.	1	
$207360_5 = \chi_{28,0}$	.	.	.	1	.	1	

Block 32:	φ_{30+}	φ_{31+}	φ_{35+}	φ_{41+}	φ_{48+}	φ_{49+}
$990_1 = \chi_{33+}$	1	.	.	.	.	.
$990_2 = \chi_{34+}$	.	1	.	.	.	.
$245520_1 = \chi_{45+}$	.	.	1	1	.	.
$351540_1 = \chi_{50+}$	.	.	.	.	1	.
$414720_1 = \chi_{51+}$	.	.	.	.	.	1
$414720_2 = \chi_{52+}$	.	.	.	.	.	1
$414720_3 = \chi_{53+}$	.	.	.	.	.	1
$506880_1 = \chi_{54+}$	1	1	1	.	.	1
$506880_2 = \chi_{55+}$	.	.	.	1	1	.

$$\begin{aligned} \varphi_{30+} &= 990_1 \\ \varphi_{31+} &= 990_2 \\ \varphi_{35+} &= 90180_1 \\ \varphi_{41+} &= 155340_1 \\ \varphi_{48+} &= 351540_1 \\ \varphi_{49+} &= 414720_1 \end{aligned}$$