

$L_2(49) \pmod{3}$

	blocks	defect	matrix
$G :$	1	1	3×2
	2	1	3×2
	3	0	$48_1 = \chi_4, \varphi_4$
	4	0	$48_2 = \chi_5, \varphi_5$
	5	0	$48_3 = \chi_6, \varphi_6$
	6	0	$48_4 = \chi_7, \varphi_7$
	7	0	$48_5 = \chi_8, \varphi_8$
	8	0	$48_6 = \chi_9, \varphi_9$
	9	0	$48_7 = \chi_{10}, \varphi_{10}$
	10	0	$48_8 = \chi_{11}, \varphi_{11}$
	11	0	$48_9 = \chi_{12}, \varphi_{12}$
	12	0	$48_{10} = \chi_{13}, \varphi_{13}$
	13	0	$48_{11} = \chi_{14}, \varphi_{14}$
	14	0	$48_{12} = \chi_{15}, \varphi_{15}$
	15	1	3×1
	16	1	3×1
	17	1	3×1
$2.G :$	18	0	$24_1 = \chi_{28}, \varphi_{20}$

	blocks	defect	matrix
	19	0	$24_2 = \chi_{29}, \varphi_{21}$
	20	0	$48_{13} = \chi_{30}, \varphi_{22}$
	21	0	$48_{14} = \chi_{31}, \varphi_{23}$
	22	0	$48_{15} = \chi_{32}, \varphi_{24}$
	23	0	$48_{16} = \chi_{33}, \varphi_{25}$
	24	0	$48_{17} = \chi_{34}, \varphi_{26}$
	25	0	$48_{18} = \chi_{35}, \varphi_{27}$
	26	0	$48_{19} = \chi_{36}, \varphi_{28}$
	27	0	$48_{20} = \chi_{37}, \varphi_{29}$
	28	0	$48_{21} = \chi_{38}, \varphi_{30}$
	29	0	$48_{22} = \chi_{39}, \varphi_{31}$
	30	0	$48_{23} = \chi_{40}, \varphi_{32}$
	31	0	$48_{24} = \chi_{41}, \varphi_{33}$
	32	1	3×1
	33	1	3×1
	34	1	3×1
	35	1	3×1

Block 1:	φ_1	φ_{16}
$1_1 = \chi_1$	1	.
$49_1 = \chi_{16}$	.	1
$50_1 = \chi_{17}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{16} &= 49_1 \end{aligned}$$

Block 2:	φ_2	φ_3
$25_1 = \chi_2$	1	.
$25_2 = \chi_3$	.	1
$50_3 = \chi_{19}$	1	1

$$\begin{aligned} \varphi_2 &= 25_1 \\ \varphi_3 &= 25_2 \end{aligned}$$

Block 15:	φ_{17}
$50_2 = \chi_{18}$	1
$50_6 = \chi_{22}$	1
$50_7 = \chi_{23}$	1

$$\varphi_{17} = 50_1$$

Block 16:	φ_{19}
$50_4 = \chi_{20}$	1
$50_{10} = \chi_{26}$	1
$50_{11} = \chi_{27}$	1

$$\varphi_{19} = 50_3$$

Block 17:	φ_{18}
$50_5 = \chi_{21}$	1
$50_8 = \chi_{24}$	1
$50_9 = \chi_{25}$	1

$$\varphi_{18} = 50_2$$

Block 32:	φ_{34}
$50_{12} = \chi_{42}$	1
$50_{16} = \chi_{46}$	1
$50_{21} = \chi_{51}$	1

$$\varphi_{34} = 50_4$$

Block 33:	φ_{35}
$50_{13} = \chi_{43}$	1
$50_{17} = \chi_{47}$	1
$50_{20} = \chi_{50}$	1

$$\varphi_{35} = 50_5$$

Block 34:	φ_{36}
$50_{14} = \chi_{44}$	1
$50_{18} = \chi_{48}$	1
$50_{23} = \chi_{53}$	1

$$\varphi_{36} = 50_6$$

Block 35:	φ_{37}
$50_{15} = \chi_{45}$	1
$50_{19} = \chi_{49}$	1
$50_{22} = \chi_{52}$	1

$$\varphi_{37} = 50_7$$