

$L_3(7).2 \pmod{2}$

	blocks	defect	matrix
$G :$	1	6	18×3
	2	3	5×2
	3	0	$576_1 = \chi_{7+}, \varphi_{6+}$
	4	0	$576_2 = \chi_{9+}, \varphi_{8+}$
	5	0	$576_3 = \chi_{11+}, \varphi_{10+}$
$3.G :$	6	5	12×2
	7	0	$192_1 = \chi_{25+}, \varphi_{14+}$
	8	0	$192_2 = \chi_{26+}, \varphi_{15+}$

	blocks	defect	matrix
	$9 = \bar{8}$	0	$192_3 = \chi_{27+}, \varphi_{16+}$
	10	0	$576_4 = \chi_{28+}, \varphi_{17+}$
	11	0	$576_5 = \chi_{29+}, \varphi_{18+}$
	12	0	$576_6 = \chi_{30+}, \varphi_{19+}$
	13	0	$576_7 = \chi_{31+}, \varphi_{20+}$
	14	0	$576_8 = \chi_{32+}, \varphi_{21+}$
	15	0	$576_9 = \chi_{33+}, \varphi_{22+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{12,0}$
$1_1 = \chi_{1,0}$	1	.	.
$1_2 = \chi_{1,1}$	1	.	.
$56_1 = \chi_{2,0}$	.	1	.
$56_2 = \chi_{2,1}$	.	1	.
$57_1 = \chi_{3,0}$	1	1	.
$57_2 = \chi_{3,1}$	1	1	.
$342_1 = \chi_{13,0}$	.	.	1
$342_2 = \chi_{13,1}$	.	.	1
$342_3 = \chi_{14,0}$	.	.	1
$342_4 = \chi_{14,1}$	.	.	1
$342_5 = \chi_{15,0}$	.	.	1
$342_6 = \chi_{15,1}$	.	.	1
$684_1 = \chi_{16+}$	.	.	2
$684_2 = \chi_{18+}$	.	.	2
$343_1 = \chi_{20,0}$	1	.	1
$343_2 = \chi_{20,1}$	1	.	1
$399_1 = \chi_{21,0}$	1	1	1
$399_2 = \chi_{21,1}$	1	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{2,0} &= 56_1 \\ \varphi_{12,0} &= 342_1 \end{aligned}$$

Block 2:	$\varphi_{3,0}$	φ_{4+}
$152_1 = \chi_{4,0}$	1	.
$152_2 = \chi_{4,1}$	1	.
$304_1 = \chi_{5+}$	.	1
$456_1 = \chi_{22,0}$	1	1
$456_2 = \chi_{22,1}$	1	1

$$\begin{aligned} \varphi_{3,0} &= 152_1 \\ \varphi_{4+} &= 304_1 \end{aligned}$$

Block 6:	φ_{13+}	φ_{23+}	
$114_1 = \chi_{23+}$	1	.	
$114_2 = \chi_{24+}$	1	.	
$684_3 = \chi_{34+}$	.	1	
$684_4 = \chi_{35+}$	.	1	
$684_5 = \chi_{36+}$	.	1	$\varphi_{13+} = 114_1$
$684_6 = \chi_{37+}$	.	1	$\varphi_{23+} = 684_1$
$684_7 = \chi_{38+}$	.	1	
$684_8 = \chi_{39+}$	.	1	
$684_9 = \chi_{40+}$	.	1	
$798_1 = \chi_{41+}$	1	1	
$798_2 = \chi_{42+}$	1	1	
$912_1 = \chi_{43+}$	2	1	