$L_2(32).5 \pmod 3$

	blocks	defect	matrix
$G:$	1	1	3×2
	2	1	3×2
	3	1	3×2
	$4 = \overline{3}$	1	3×2
	$5 = \overline{2}$	1	3×2
	6	1	3×1
	7	0	$165_1 = \chi_{19+}, \varphi_{8+}$
	8	0	$165_2 = \chi_{24+}, \varphi_{13+}$
	9	0	$165_3 = \chi_{29+}, \varphi_{18+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$
$1_1 = \chi_{1,0}$	1	.
$31_1 = \chi_{2,0}$	.	1
$32_1 = \chi_{18,0}$	1	1

$\varphi_{1,0} = 1_1$
$\varphi_{2,0} = 31_1$

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$
$1_2 = \chi_{1,1}$	1	.
$31_2 = \chi_{2,1}$	.	1
$32_2 = \chi_{18,1}$	1	1

$\varphi_{1,1} = 1_2$
$\varphi_{2,1} = 31_2$

Block 3:	$\varphi_{1,2}$	$\varphi_{2,2}$
$1_3 = \chi_{1,2}$	1	.
$31_3 = \chi_{2,2}$	.	1
$32_3 = \chi_{18,2}$	1	1

$\varphi_{1,2} = 1_3$
$\varphi_{2,2} = 31_3$

Block 4:	$\varphi_{1,3}$	$\varphi_{2,3}$
$1_4 = \chi_{1,3}$	1	.
$31_4 = \chi_{2,3}$	.	1
$32_4 = \chi_{18,3}$	1	1

$\varphi_{1,3} = 1_4$
$\varphi_{2,3} = 31_4$

Block 5:	$\varphi_{1,4}$	$\varphi_{2,4}$
$1_5 = \chi_{1,4}$	1	.
$31_5 = \chi_{2,4}$	.	1
$32_5 = \chi_{18,4}$	1	1

$$\begin{aligned} \varphi_{1,4} &= 1_5 \\ \varphi_{2,4} &= 31_5 \end{aligned}$$

Block 6:	φ_{3+}
$155_1 = \chi_{3+}$	1
$155_2 = \chi_{8+}$	1
$155_3 = \chi_{13+}$	1

$$\varphi_{3+} = 155_1$$