$G_2(3).2 \pmod 7$

	blocks	defect	matrix
$G:$	1	1	7×6
	2	1	7×6
	3	0	$14_1 = \chi_{2,0}, \varphi_{2,0}$
	$4 = \overline{3}$	0	$14_2 = \chi_{2,1}, \varphi_{2,1}$
	5	0	$91_1 = \chi_{6,0}, \varphi_{6,0}$
	6	0	$91_2 = \chi_{6,1}, \varphi_{6,1}$
	7	0	$182_1 = \chi_{7+}, \varphi_{7+}$
	8	0	$168_1 = \chi_{10,0}, \varphi_{10,0}$
	9	0	$168_2 = \chi_{10,1}, \varphi_{10,1}$
	10	0	$364_1 = \chi_{11+}, \varphi_{11+}$
	11	0	$546_1 = \chi_{13+}, \varphi_{13+}$
	12	0	$896_1 = \chi_{15+}, \varphi_{15+}$
	13	0	$1092_1 = \chi_{17+}, \varphi_{17+}$
	14	0	$1456_1 = \chi_{19+}, \varphi_{20+}$
	15	0	$819_1 = \chi_{22,0}, \varphi_{22,0}$
	16	0	$819_2 = \chi_{22,1}, \varphi_{22,1}$
$3.G:$	17	1	7×6
	18	0	$378_1 = \chi_{26+}, \varphi_{25+}$
	$19 = \overline{18}$	0	$378_2 = \chi_{27+}, \varphi_{26+}$
	20	0	$756_1 = \chi_{31+}, \varphi_{30+}$
	$21 = \overline{20}$	0	$756_2 = \chi_{32+}, \varphi_{31+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,1}$	$\varphi_{9,1}$	$\varphi_{19,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.
$64_1 = \chi_{3,0}$	.	1	.	.	.	.
$64_3 = \chi_{4,0}$	.	.	1	.	.	.
$78_2 = \chi_{5,1}$	.	.	.	1	.	.
$104_2 = \chi_{9,1}$	1	.	.	.	1	.
$729_2 = \chi_{21,1}$	.	.	.	.	1	1
$832_2 = \chi_{23,1}$	.	1	1	1	.	1

$\varphi_{1,0} = 1_1$
$\varphi_{3,0} = 64_1$
$\varphi_{4,0} = 64_3$
$\varphi_{5,1} = 78_2$
$\varphi_{9,1} = 103_2$
$\varphi_{19,1} = 626_2$

Block 2:	$\varphi_{1,1}$	$\varphi_{3,1}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{9,0}$	$\varphi_{19,0}$
$1_2 = \chi_{1,1}$	1	.	.	.	.	.
$64_2 = \chi_{3,1}$	.	1	.	.	.	.
$64_4 = \chi_{4,1}$	.	.	1	.	.	.
$78_1 = \chi_{5,0}$	.	.	.	1	.	.
$104_1 = \chi_{9,0}$	1	.	.	.	1	.
$729_1 = \chi_{21,0}$	.	.	.	.	1	1
$832_1 = \chi_{23,0}$	.	1	1	1	.	1

$\varphi_{1,1} = 1_2$
$\varphi_{3,1} = 64_2$
$\varphi_{4,1} = 64_4$
$\varphi_{5,0} = 78_1$
$\varphi_{9,0} = 103_1$
$\varphi_{19,0} = 626_1$

Block 17:	φ_{23+}	φ_{24+}	φ_{27+}	φ_{28+}	φ_{29+}	φ_{32+}
$54_1 = \chi_{24+}$	1	.	.	.	.	.
$54_2 = \chi_{25+}$	.	1	.	.	.	.
$702_1 = \chi_{28+}$	1	1	1	.	.	.
$702_2 = \chi_{29+}$	.	.	.	1	.	.
$702_3 = \chi_{30+}$	.	.	.	.	1	.
$1458_1 = \chi_{33+}$	.	.	.	.	.	1
$3456_1 = \chi_{34+}$	.	.	1	1	1	1

$\varphi_{23+} = 54_1$
$\varphi_{24+} = 54_2$
$\varphi_{27+} = 594_1$
$\varphi_{28+} = 702_1$
$\varphi_{29+} = 702_2$
$\varphi_{32+} = 1458_1$