${}^3D_4(2).3 \pmod{13}$

	blocks	defect	matrix
$G:$	1	1	13×12
	2	0	$26_1 = \chi_{2,0}, \varphi_{2,0}$
	3	0	$26_2 = \chi_{2,1}, \varphi_{2,1}$
	$4 = \overline{3}$	0	$26_3 = \chi_{2,2}, \varphi_{2,2}$
	5	0	$52_1 = \chi_{3,0}, \varphi_{3,0}$
	6	0	$52_2 = \chi_{3,1}, \varphi_{3,1}$
	$7 = \overline{6}$	0	$52_3 = \chi_{3,2}, \varphi_{3,2}$
	8	0	$273_1 = \chi_{5,0}, \varphi_{5,0}$
	9	0	$273_2 = \chi_{5,1}, \varphi_{5,1}$
	$10 = \overline{9}$	0	$273_3 = \chi_{5,2}, \varphi_{5,2}$
	11	0	$1053_1 = \chi_{7+}, \varphi_{7+}$
	12	0	$468_1 = \chi_{10,0}, \varphi_{10,0}$
	13	0	$468_2 = \chi_{10,1}, \varphi_{10,1}$
	$14 = \overline{13}$	0	$468_3 = \chi_{10,2}, \varphi_{10,2}$
	15	0	$637_1 = \chi_{11,0}, \varphi_{11,0}$
	16	0	$637_2 = \chi_{11,1}, \varphi_{11,1}$
	$17 = \overline{16}$	0	$637_3 = \chi_{11,2}, \varphi_{11,2}$
	18	0	$1053_2 = \chi_{12,0}, \varphi_{12,0}$
	19	0	$1053_3 = \chi_{12,1}, \varphi_{12,1}$
	$20 = \overline{19}$	0	$1053_4 = \chi_{12,2}, \varphi_{12,2}$
	21	0	$1274_1 = \chi_{13,0}, \varphi_{13,0}$
	22	0	$1274_2 = \chi_{13,1}, \varphi_{13,1}$
	$23 = \overline{22}$	0	$1274_3 = \chi_{13,2}, \varphi_{13,2}$
	24	0	$1664_1 = \chi_{14,0}, \varphi_{14,0}$
	25	0	$1664_2 = \chi_{14,1}, \varphi_{14,1}$
	$26 = \overline{25}$	0	$1664_3 = \chi_{14,2}, \varphi_{14,2}$
	27	0	$5733_1 = \chi_{15+}, \varphi_{15+}$
	28	0	$6318_1 = \chi_{18+}, \varphi_{18+}$
	29	0	$2184_1 = \chi_{21,0}, \varphi_{21,0}$
	30	0	$2184_2 = \chi_{21,1}, \varphi_{21,1}$
	$31 = \overline{30}$	0	$2184_3 = \chi_{21,2}, \varphi_{21,2}$
	32	0	$7371_1 = \chi_{22+}, \varphi_{22+}$
	33	0	$8424_1 = \chi_{25+}, \varphi_{25+}$
	34	0	$11466_1 = \chi_{28+}, \varphi_{28+}$
	35	0	$5096_1 = \chi_{35,0}, \varphi_{32,0}$
	36	0	$5096_2 = \chi_{35,1}, \varphi_{32,1}$
	$37 = \overline{36}$	0	$5096_3 = \chi_{35,2}, \varphi_{32,2}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{4,2}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{6,2}$	$\varphi_{31,0}$	$\varphi_{31,1}$	$\varphi_{31,2}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.	.	.	.
$196_1 = \chi_{4,0}$	.	.	.	1	.	.	.	.	.	.	.	.
$196_2 = \chi_{4,1}$	.	.	.	.	1	.	.	.	.	.	.	.
$196_3 = \chi_{4,2}$	.	.	.	.	.	1	.	.	.	.	.	.
$324_1 = \chi_{6,0}$	1	.	.	.	.	.	1	.	.	.	.	.
$324_2 = \chi_{6,1}$	.	1	.	.	.	.	.	1	.	.	.	.
$324_3 = \chi_{6,2}$	.	.	1	.	.	.	.	.	1	.	.	.
$11907_1 = \chi_{31+}$	.	.	.	1	1	1	.	.	.	1	1	1
$4096_1 = \chi_{34,0}$	.	.	.	.	.	.	1	.	.	1	.	.
$4096_2 = \chi_{34,1}$	.	.	.	.	.	.	.	1	.	.	1	.
$4096_3 = \chi_{34,2}$	.	.	.	.	.	.	.	.	1	.	.	1

$$\begin{array}{lcl} \varphi_{1,0} & = & 1_1 \\ \varphi_{1,1} & = & 1_2 \\ \varphi_{1,2} & = & 1_3 \\ \varphi_{4,0} & = & 196_1 \\ \varphi_{4,1} & = & 196_2 \\ \varphi_{4,2} & = & 196_3 \end{array} \qquad \begin{array}{lcl} \varphi_{6,0} & = & 323_1 \\ \varphi_{6,1} & = & 323_2 \\ \varphi_{6,2} & = & 323_3 \\ \varphi_{31,0} & = & 3773_1 \\ \varphi_{31,1} & = & 3773_2 \\ \varphi_{31,2} & = & 3773_3 \end{array}$$