$A_6.2_2 \pmod{2}$

	blocks	defect	matrix
2.G :	$\begin{array}{c}1\\2\\3\end{array}$	5 2 2	$12 \times 2 \\ 4 \times 1 \\ 4 \times 1$
6.G:	4	4	9×3

Block 1:	$\varphi_{1,0}$	φ_{2+}	
$\begin{array}{c} 1_1 = \chi_{1,0} \\ 1_2 = \chi_{1,1} \\ 10_1 = \chi_{2+} \\ 9_1 = \chi_{6,0} \\ 9_2 = \chi_{6,1} \\ 10_2 = \chi_{7,0} \\ 10_3 = \chi_{7,1} \end{array}$	$ \begin{array}{c} 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 2 \\ 2 \end{array} $	1 1 1 1 1	$\begin{array}{rcl} \varphi_{1,0} &=& 1_1 \\ \varphi_{2+} &=& 8_1 \end{array}$
$\begin{array}{c} 8_5 = \chi_{8+} \\ 10_4 = \chi_{12,0} \\ 10_5 = \chi_{12,1} \\ 10_6 = \chi_{13,0} \\ 10_7 = \chi_{13,1} \end{array}$	2 2 2 2 2	1 1 1 1 1	

Block 2:	$\varphi_{4,0}$		
$\begin{split} 8_1 &= \chi_{4,0} \\ 8_2 &= \chi_{4,1} \end{split}$	1 1	$arphi_{4,0}$	=
$8_6 = \chi_{10,0} \\ 8_7 = \chi_{10,1}$	1 1		

 8_2

Block 3:	$arphi_{5,0}$		
$\begin{split} 8_3 &= \chi_{5,0} \\ 8_4 &= \chi_{5,1} \end{split}$	1 1	$arphi_{5,0}$	=
$ \begin{aligned} 8_8 &= \chi_{11,0} \\ 8_9 &= \chi_{11,1} \end{aligned} $	1 1		

Block 4:	φ_{6+}	φ_{7+}	φ_{8+}		
$\begin{aligned} 6_1 &= \chi_{14+} \\ 6_2 &= \chi_{15+} \\ 12_1 &= \chi_{16+} \\ 18_1 &= \chi_{17+} \\ 30_1 &= \chi_{18+} \end{aligned}$	1 1	1 1 1	1 1		=
$12_2 = \chi_{19+}$ $12_3 = \chi_{20+}$ $24_1 = \chi_{21+}$ $24_2 = \chi_{22+}$	1 1 1	1 1 1	- - 1 1	$arphi_{8+}$	=

 $6_1 \\ 6_2 \\ 18_1$