The group G is isomorphic to the group labelled by [32, 21] in the Small Groups library.
Ordinary character table of $G \cong$ C4 x C4 x C2:

	$1a$	$4a$	$2a$	$4b$	$4c$	$4d$	$4e$	$4f$	$2b$	$4g$	$2c$	$4h$	$4i$	$4j$	$4k$	$4l$	$2d$	$4m$	$2e$	$4n$	$4o$	$4p$	$4q$	$4r$	$2f$	$4s$	$2g$	$4t$	$4u$	$4v$	$4w$	$4x$
χ_{1}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_{2}	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
χ_{3}	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1
χ_{4}	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1
χ_{5}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
χ_{6}	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1
χ_{7}	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1
χ_{8}	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1	-1	1	-1
χ_{9}	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$
χ_{10}	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$
χ_{11}	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$
χ_{12}	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$
χ_{13}	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$
χ_{14}	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$
χ_{15}	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	1	$E(4)$	-1	$-E(4)$
χ_{16}	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	-1	$E(4)$	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$
χ_{17}	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$
χ_{18}	1	-1	1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	-1	1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	1	-1	1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	-1	1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$
χ_{19}	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$
χ_{20}	1	-1	1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	-1	1	-1	1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	1	-1	1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	-1	1	-1	1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$
χ_{21}	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$
χ_{22}	1	-1	1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	-1	1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	-1	1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	1	-1	1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$
χ_{23}	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$
χ_{24}	1	-1	1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	-1	1	-1	1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	-1	1	-1	1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	1	-1	1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$
χ_{25}	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	$-E(4)$	1	-1	$-E(4)$	1	$E(4)$	$-E(4)$	1	$E(4)$	-1	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	$-E(4)$	1	-1	$-E(4)$	1	$E(4)$	$-E(4)$	1	$E(4)$	-1
χ_{26}	1	$-E(4)$	-1	$E(4)$	$E(4)$	1	$-E(4)$	-1	-1	$E(4)$	1	$-E(4)$	$-E(4)$	-1	$E(4)$	1	1	$-E(4)$	-1	$E(4)$	$E(4)$	1	$-E(4)$	-1	-1	$E(4)$	1	$-E(4)$	$-E(4)$	-1	$E(4)$	1
χ_{27}	1	$E(4)$	-1	$-E(4)$	$-E(4)$	1	$E(4)$	-1	-1	$-E(4)$	1	$E(4)$	$E(4)$	-1	$-E(4)$	1	1	$E(4)$	-1	$-E(4)$	$-E(4)$	1	$E(4)$	-1	-1	$-E(4)$	1	$E(4)$	$E(4)$	-1	$-E(4)$	1
χ_{28}	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	$E(4)$	1	-1	$E(4)$	1	$-E(4)$	$E(4)$	1	$-E(4)$	-1	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	$E(4)$	1	-1	$E(4)$	1	$-E(4)$	$E(4)$	1	$-E(4)$	-1
χ_{29}	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	$-E(4)$	1	-1	$-E(4)$	1	$E(4)$	$-E(4)$	1	$E(4)$	-1	-1	$-E(4)$	1	$E(4)$	$-E(4)$	1	$E(4)$	-1	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	$-E(4)$	1
χ_{30}	1	$-E(4)$	-1	$E(4)$	$E(4)$	1	$-E(4)$	-1	-1	$E(4)$	1	$-E(4)$	$-E(4)$	-1	$E(4)$	1	-1	$E(4)$	1	$-E(4)$	$-E(4)$	-1	$E(4)$	1	1	$-E(4)$	-1	$E(4)$	$E(4)$	1	$-E(4)$	-1
χ_{31}	1	$E(4)$	-1	$-E(4)$	$-E(4)$	1	$E(4)$	-1	-1	$-E(4)$	1	$E(4)$	$E(4)$	-1	$-E(4)$	1	-1	$-E(4)$	1	$E(4)$	$E(4)$	-1	$-E(4)$	1	1	$E(4)$	-1	$-E(4)$	$-E(4)$	1	$E(4)$	-1
χ_{32}	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	$E(4)$	1	-1	$E(4)$	1	$-E(4)$	$E(4)$	1	$-E(4)$	-1	-1	$E(4)$	1	$-E(4)$	$E(4)$	1	$-E(4)$	-1	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	$E(4)$	1

Trivial source character table of $G \cong$ C4 x C4 x C2 at $p = 2$:

Normalisers N_i	N_{1}	N_{2}	N_{3}	N_{4}	N_{5}	N_{6}	N_{7}	N_{8}	N_{9}	N_{10}	N_{11}	N_{12}	N_{13}	N_{14}	N_{15}	N_{16}	N_{17}	N_{18}	N_{19}	N_{20}	N_{21}	N_{22}	N_{23}	N_{24}	N_{25}	N_{26}	N_{27}	N_{28}	N_{29}	N_{30}	N_{31}	N_{32}	N_{33}	N_{34}	N_{35}	N_{36}	N_{37}	N_{38}	N_{39}	N_{40}	N_{41}	N_{42}	N_{43}	N_{44}	N_{45}	N_{46}	N_{47}	N_{48}	N_{49}	N_{50}	N_{51}	N_{52}	N_{53}	N_{54}
p-subgroups of G up to conjugacy in G	P_{1}	P_{2}	P_{3}	P_{4}	P_{5}	P_{6}	P_{7}	P_{8}	P_{9}	P_{10}	P_{11}	P_{12}	P_{13}	P_{14}	P_{15}	P_{16}	P_{17}	P_{18}	P_{19}	P_{20}	P_{21}	P_{22}	P_{23}	P_{24}	P_{25}	P_{26}	P_{27}	P_{28}	P_{29}	P_{30}	P_{31}	P_{32}	P_{33}	P_{34}	P_{35}	P_{36}	P_{37}	P_{38}	P_{39}	P_{40}	P_{41}	P_{42}	P_{43}	P_{44}	P_{45}	P_{46}	P_{47}	P_{48}	P_{49}	P_{50}	P_{51}	P_{52}	P_{53}	P_{54}
Representatives $n_j \in N_i$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}$	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}$	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}$	16	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}$	16	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	16	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	16	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+1\cdot\chi_{32}$	8	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+1\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+1\cdot\chi_{32}$	8	0	8	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}$	8	0	8	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	8	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	0	0	8	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	0	0	0	4	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	4	0	0	4	0	4	4	4	4	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	0	0	0	0	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	4	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	0	4	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+1\cdot\chi_{32}$	4	0	4	0	4	4	0	0	4	0	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	4	0	0	0	4	4	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	0	4	0	4	4	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	0	4	4	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	0	4	0	4	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	0	4	4	0	0	4	0	0	4	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	4	0	4	4	0	0	0	0	0	0	4	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	0	0	4	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	4	0	0	0	4	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	4	0	4	0	0	0	4	4	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	0	0	0	0	2	2	2	0	0	0	0	2	0	2	0	2	0	0	0	0	0	0	2	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	2	2	2	2	0	0	0	2	0	0	0	2	2	0	2	2	2	2	2	2	0	2	2	2	0	2	0	0	0	2	0	0	0	0	0	0	0	2	2	2	2	0	0	2	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	2	2	2	2	0	2	2	0	0	0	2	2	0	0	2	0	2	2	2	2	2	2	0	0	2	2	0	0	2	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	0	0	0	0	2	0	0	2	0	0	2	2	2	2	0	0	0	0	0	0	2	0	0	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	0	0	0	0	0	2	2	2	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	2	2	2	2	2	0	0	0	2	2	0	2	0	2	2	0	2	2	2	2	0	2	0	0	0	2	2	2	0	0	2	2	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	2	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	2	2	2	2	0	0	0	0	0	0	0	0	2	2	2	2	0	0	0	2	0	0	0	0	2	0	2	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_{1} = Group([()]) \cong 1$
$P_{2} = Group([(7,9)(8,10)]) \cong$ C2
$P_{3} = Group([(3,5)(4,6)(7,9)(8,10)]) \cong$ C2
$P_{4} = Group([(3,5)(4,6)]) \cong$ C2
$P_{5} = Group([(1,2)(7,9)(8,10)]) \cong$ C2
$P_{6} = Group([(1,2)(3,5)(4,6)]) \cong$ C2
$P_{7} = Group([(1,2)]) \cong$ C2
$P_{8} = Group([(1,2)(3,5)(4,6)(7,9)(8,10)]) \cong$ C2
$P_{9} = Group([(1,2)(3,4,5,6)(7,8,9,10),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4
$P_{10} = Group([(3,4,5,6),(3,5)(4,6)]) \cong$ C4
$P_{11} = Group([(3,4,5,6)(7,9)(8,10),(3,5)(4,6)]) \cong$ C4
$P_{12} = Group([(3,5)(4,6)(7,8,9,10),(7,9)(8,10)]) \cong$ C4
$P_{13} = Group([(3,4,5,6)(7,8,9,10),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4
$P_{14} = Group([(3,6,5,4)(7,8,9,10),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4
$P_{15} = Group([(1,2)(3,4,5,6),(3,5)(4,6)]) \cong$ C4
$P_{16} = Group([(7,9)(8,10),(3,5)(4,6)]) \cong$ C2 x C2
$P_{17} = Group([(7,8,9,10),(7,9)(8,10)]) \cong$ C4
$P_{18} = Group([(1,2)(3,6,5,4)(7,8,9,10),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4
$P_{19} = Group([(1,2)(3,5)(4,6),(3,5)(4,6)(7,9)(8,10)]) \cong$ C2 x C2
$P_{20} = Group([(1,2)(3,5)(4,6)(7,8,9,10),(7,9)(8,10)]) \cong$ C4
$P_{21} = Group([(1,2)(7,9)(8,10),(3,5)(4,6)]) \cong$ C2 x C2
$P_{22} = Group([(1,2),(7,9)(8,10)]) \cong$ C2 x C2
$P_{23} = Group([(1,2)(3,5)(4,6),(7,9)(8,10)]) \cong$ C2 x C2
$P_{24} = Group([(1,2),(3,5)(4,6)(7,9)(8,10)]) \cong$ C2 x C2
$P_{25} = Group([(1,2)(3,4,5,6)(7,9)(8,10),(3,5)(4,6)]) \cong$ C4
$P_{26} = Group([(1,2),(3,5)(4,6)]) \cong$ C2 x C2
$P_{27} = Group([(1,2)(7,8,9,10),(7,9)(8,10)]) \cong$ C4
$P_{28} = Group([(7,9)(8,10),(3,5)(4,6),(7,8,9,10)]) \cong$ C4 x C2
$P_{29} = Group([(7,9)(8,10),(3,5)(4,6),(1,2)(3,4,5,6)]) \cong$ C4 x C2
$P_{30} = Group([(7,9)(8,10),(3,5)(4,6),(1,2)]) \cong$ C2 x C2 x C2
$P_{31} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6)(7,8,9,10)]) \cong$ C4 x C2
$P_{32} = Group([(7,9)(8,10),(3,5)(4,6),(1,2)(3,4,5,6)(7,8,9,10)]) \cong$ C4 x C2
$P_{33} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6)]) \cong$ C4 x C2
$P_{34} = Group([(7,9)(8,10),(3,5)(4,6),(1,2)(7,8,9,10)]) \cong$ C4 x C2
$P_{35} = Group([(3,6,5,4)(7,8,9,10),(1,2)(3,5)(4,6),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4 x C2
$P_{36} = Group([(3,6,5,4)(7,8,9,10),(1,2),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4 x C2
$P_{37} = Group([(3,4,5,6),(1,2),(3,5)(4,6)]) \cong$ C4 x C2
$P_{38} = Group([(3,4,5,6),(1,2)(7,9)(8,10),(3,5)(4,6)]) \cong$ C4 x C2
$P_{39} = Group([(3,4,5,6)(7,9)(8,10),(1,2),(3,5)(4,6)]) \cong$ C4 x C2
$P_{40} = Group([(3,4,5,6)(7,9)(8,10),(1,2)(7,9)(8,10),(3,5)(4,6)]) \cong$ C4 x C2
$P_{41} = Group([(3,4,5,6)(7,8,9,10),(1,2)(3,5)(4,6),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4 x C2
$P_{42} = Group([(7,8,9,10),(1,2),(7,9)(8,10)]) \cong$ C4 x C2
$P_{43} = Group([(7,8,9,10),(1,2)(3,5)(4,6),(7,9)(8,10)]) \cong$ C4 x C2
$P_{44} = Group([(3,5)(4,6)(7,8,9,10),(1,2),(7,9)(8,10)]) \cong$ C4 x C2
$P_{45} = Group([(3,5)(4,6)(7,8,9,10),(1,2)(3,5)(4,6),(7,9)(8,10)]) \cong$ C4 x C2
$P_{46} = Group([(3,4,5,6)(7,8,9,10),(1,2),(3,5)(4,6)(7,9)(8,10)]) \cong$ C4 x C2
$P_{47} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6),(1,2)(7,8,9,10)]) \cong$ C4 x C4
$P_{48} = Group([(7,9)(8,10),(3,5)(4,6),(7,8,9,10),(1,2)]) \cong$ C4 x C2 x C2
$P_{49} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6),(1,2)]) \cong$ C4 x C2 x C2
$P_{50} = Group([(7,9)(8,10),(3,5)(4,6),(7,8,9,10),(1,2)(3,4,5,6)]) \cong$ C4 x C4
$P_{51} = Group([(7,9)(8,10),(3,5)(4,6),(7,8,9,10),(3,4,5,6)]) \cong$ C4 x C4
$P_{52} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6)(7,8,9,10),(1,2)]) \cong$ C4 x C2 x C2
$P_{53} = Group([(7,9)(8,10),(3,5)(4,6),(3,4,5,6)(7,8,9,10),(1,2)(7,8,9,10)]) \cong$ C4 x C4
$P_{54} = Group([(7,9)(8,10),(3,5)(4,6),(7,8,9,10),(3,4,5,6),(1,2)]) \cong$ C4 x C4 x C2

$N_{1} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{2} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{3} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{4} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{5} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{6} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{7} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{8} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{9} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{10} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{11} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{12} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{13} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{14} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{15} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{16} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{17} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{18} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{19} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{20} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{21} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{22} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{23} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{24} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{25} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{26} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{27} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{28} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{29} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{30} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{31} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{32} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{33} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{34} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{35} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{36} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{37} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{38} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{39} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{40} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{41} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{42} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{43} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{44} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{45} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{46} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{47} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{48} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{49} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{50} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{51} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{52} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{53} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2
$N_{54} = Group([(1,2),(3,4,5,6),(7,8,9,10)]) \cong$ C4 x C4 x C2