The group G is isomorphic to the group labelled by [40, 9] in the Small Groups library.
Ordinary character table of $G \cong$ C20 x C2:

	$1a$	$5a$	$5b$	$5c$	$5d$	$4a$	$20a$	$20b$	$20c$	$20d$	$2a$	$10a$	$10b$	$10c$	$10d$	$4b$	$20e$	$20f$	$20g$	$20h$	$2b$	$10e$	$10f$	$10g$	$10h$	$4c$	$20i$	$20j$	$20k$	$20l$	$2c$	$10i$	$10j$	$10k$	$10l$	$4d$	$20m$	$20n$	$20o$	$20p$
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	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	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	-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	-1	-1	-1	1	1	1	1	1
χ_{5}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$
χ_{6}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$
χ_{7}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$
χ_{8}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$
χ_{9}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$
χ_{10}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$
χ_{11}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$
χ_{12}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$
χ_{13}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$
χ_{14}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$
χ_{15}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$
χ_{16}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$
χ_{17}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$
χ_{18}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$
χ_{19}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$
χ_{20}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$
χ_{21}	1	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	1	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$
χ_{22}	1	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	1	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$
χ_{23}	1	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	-1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	1	1	1	1	1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$
χ_{24}	1	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	-1	-1	-1	-1	-1	$E(4)$	$E(4)$	$E(4)$	$E(4)$	$E(4)$	1	1	1	1	1	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$	$-E(4)$
χ_{25}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$
χ_{26}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$
χ_{27}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$
χ_{28}	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$	$E(4)$	$E(20)^9$	$E(20)^{13}$	$E(20)^{17}$	$E(20)$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$-E(4)$	$-E(20)^9$	$-E(20)^{13}$	$-E(20)^{17}$	$-E(20)$
χ_{29}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$
χ_{30}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$
χ_{31}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$
χ_{32}	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$	$E(4)$	$E(20)^{13}$	$E(20)$	$E(20)^9$	$E(20)^{17}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	$-E(4)$	$-E(20)^{13}$	$-E(20)$	$-E(20)^9$	$-E(20)^{17}$
χ_{33}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$
χ_{34}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$
χ_{35}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$
χ_{36}	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$	$E(4)$	$E(20)^{17}$	$E(20)^9$	$E(20)$	$E(20)^{13}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$-E(4)$	$-E(20)^{17}$	$-E(20)^9$	$-E(20)$	$-E(20)^{13}$
χ_{37}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$
χ_{38}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$
χ_{39}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$
χ_{40}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$	$E(4)$	$E(20)$	$E(20)^{17}$	$E(20)^{13}$	$E(20)^9$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	$-E(4)$	$-E(20)$	$-E(20)^{17}$	$-E(20)^{13}$	$-E(20)^9$

Trivial source character table of $G \cong$ C20 x C2 at $p = 2$:

Normalisers N_i	N_1					N_2					N_3					N_4					N_5					N_6					N_7					N_8				
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				
Representatives $n_j \in N_i$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	8	8	8	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	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	8	$8 * E(5)$	$8 * E(5)^2$	$8 * E(5)^3$	$8 * E(5)^4$	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	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	8	$8 * E(5)^2$	$8 * E(5)^4$	$8 * E(5)$	$8 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+1\cdot\chi_{33}+1\cdot\chi_{34}+1\cdot\chi_{35}+1\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	8	$8 * E(5)^3$	$8 * E(5)$	$8 * E(5)^4$	$8 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+1\cdot\chi_{37}+1\cdot\chi_{38}+1\cdot\chi_{39}+1\cdot\chi_{40}$	8	$8 * E(5)^4$	$8 * E(5)^3$	$8 * E(5)^2$	$8 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	4	4	4	4	4	4	4	4	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	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	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	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	4	4	4	4	0	0	0	0	0	4	4	4	4	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
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+1\cdot\chi_{37}+1\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	0	0	0	0	0	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+1\cdot\chi_{33}+1\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	0	0	0	0	0	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+1\cdot\chi_{29}+1\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	0	0	0	0	0	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	0	0	0	0	0	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	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
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+1\cdot\chi_{39}+1\cdot\chi_{40}$	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	0	0	0	0	0	0	0	0	0	0	4	$4 * E(5)^4$	$4 * E(5)^3$	$4 * E(5)^2$	$4 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+1\cdot\chi_{35}+1\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	4	$4 * E(5)^3$	$4 * E(5)$	$4 * E(5)^4$	$4 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+1\cdot\chi_{31}+1\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	4	$4 * E(5)^2$	$4 * E(5)^4$	$4 * E(5)$	$4 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+1\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	0	0	0	0	0	0	0	0	0	0	4	$4 * E(5)$	$4 * E(5)^2$	$4 * E(5)^3$	$4 * E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^2$	$2 * E(5)^4$	$2 * E(5)$	$2 * E(5)^3$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^4$	$2 * E(5)^3$	$2 * E(5)^2$	$2 * E(5)$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)$	$2 * E(5)^2$	$2 * E(5)^3$	$2 * E(5)^4$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	$2 * E(5)^3$	$2 * E(5)$	$2 * E(5)^4$	$2 * E(5)^2$	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	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
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{31}+0\cdot\chi_{32}+0\cdot\chi_{33}+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,5)(4,6)]) \cong$ C2
$P_3 = Group([(1,2)]) \cong$ C2
$P_4 = Group([(1,2)(3,5)(4,6)]) \cong$ C2
$P_5 = Group([(3,5)(4,6),(3,4,5,6)]) \cong$ C4
$P_6 = Group([(3,5)(4,6),(1,2)]) \cong$ C2 x C2
$P_7 = Group([(3,5)(4,6),(1,2)(3,4,5,6)]) \cong$ C4
$P_8 = Group([(3,5)(4,6),(3,4,5,6),(1,2)]) \cong$ C4 x C2

$N_1 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_2 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_3 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_4 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_5 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_6 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_7 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2
$N_8 = Group([(1,2),(3,4,5,6),(7,8,9,10,11)]) \cong$ C20 x C2