The group G is isomorphic to the group labelled by [62, 1] in the Small Groups library.
Ordinary character table of $G \cong$ D62:

	$1a$	$31a$	$31b$	$31c$	$31d$	$31e$	$31f$	$31g$	$31h$	$31i$	$31j$	$31k$	$31l$	$31m$	$31n$	$31o$	$2a$
χ_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
χ_3	2	$E(31)+E(31)^{30}$	$E(31)^2+E(31)^{29}$	$E(31)^3+E(31)^{28}$	$E(31)^4+E(31)^{27}$	$E(31)^5+E(31)^{26}$	$E(31)^6+E(31)^{25}$	$E(31)^7+E(31)^{24}$	$E(31)^8+E(31)^{23}$	$E(31)^9+E(31)^{22}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{15}+E(31)^{16}$	0
χ_4	2	$E(31)^2+E(31)^{29}$	$E(31)^4+E(31)^{27}$	$E(31)^6+E(31)^{25}$	$E(31)^8+E(31)^{23}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{11}+E(31)^{20}$	$E(31)^9+E(31)^{22}$	$E(31)^7+E(31)^{24}$	$E(31)^5+E(31)^{26}$	$E(31)^3+E(31)^{28}$	$E(31)+E(31)^{30}$	0
χ_5	2	$E(31)^3+E(31)^{28}$	$E(31)^6+E(31)^{25}$	$E(31)^9+E(31)^{22}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{10}+E(31)^{21}$	$E(31)^7+E(31)^{24}$	$E(31)^4+E(31)^{27}$	$E(31)+E(31)^{30}$	$E(31)^2+E(31)^{29}$	$E(31)^5+E(31)^{26}$	$E(31)^8+E(31)^{23}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{14}+E(31)^{17}$	0
χ_6	2	$E(31)^4+E(31)^{27}$	$E(31)^8+E(31)^{23}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{11}+E(31)^{20}$	$E(31)^7+E(31)^{24}$	$E(31)^3+E(31)^{28}$	$E(31)+E(31)^{30}$	$E(31)^5+E(31)^{26}$	$E(31)^9+E(31)^{22}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{10}+E(31)^{21}$	$E(31)^6+E(31)^{25}$	$E(31)^2+E(31)^{29}$	0
χ_7	2	$E(31)^5+E(31)^{26}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{11}+E(31)^{20}$	$E(31)^6+E(31)^{25}$	$E(31)+E(31)^{30}$	$E(31)^4+E(31)^{27}$	$E(31)^9+E(31)^{22}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{12}+E(31)^{19}$	$E(31)^7+E(31)^{24}$	$E(31)^2+E(31)^{29}$	$E(31)^3+E(31)^{28}$	$E(31)^8+E(31)^{23}$	$E(31)^{13}+E(31)^{18}$	0
χ_8	2	$E(31)^6+E(31)^{25}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{13}+E(31)^{18}$	$E(31)^7+E(31)^{24}$	$E(31)+E(31)^{30}$	$E(31)^5+E(31)^{26}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{14}+E(31)^{17}$	$E(31)^8+E(31)^{23}$	$E(31)^2+E(31)^{29}$	$E(31)^4+E(31)^{27}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{15}+E(31)^{16}$	$E(31)^9+E(31)^{22}$	$E(31)^3+E(31)^{28}$	0
χ_9	2	$E(31)^7+E(31)^{24}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{10}+E(31)^{21}$	$E(31)^3+E(31)^{28}$	$E(31)^4+E(31)^{27}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{13}+E(31)^{18}$	$E(31)^6+E(31)^{25}$	$E(31)+E(31)^{30}$	$E(31)^8+E(31)^{23}$	$E(31)^{15}+E(31)^{16}$	$E(31)^9+E(31)^{22}$	$E(31)^2+E(31)^{29}$	$E(31)^5+E(31)^{26}$	$E(31)^{12}+E(31)^{19}$	0
χ_{10}	2	$E(31)^8+E(31)^{23}$	$E(31)^{15}+E(31)^{16}$	$E(31)^7+E(31)^{24}$	$E(31)+E(31)^{30}$	$E(31)^9+E(31)^{22}$	$E(31)^{14}+E(31)^{17}$	$E(31)^6+E(31)^{25}$	$E(31)^2+E(31)^{29}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{13}+E(31)^{18}$	$E(31)^5+E(31)^{26}$	$E(31)^3+E(31)^{28}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{12}+E(31)^{19}$	$E(31)^4+E(31)^{27}$	0
χ_{11}	2	$E(31)^9+E(31)^{22}$	$E(31)^{13}+E(31)^{18}$	$E(31)^4+E(31)^{27}$	$E(31)^5+E(31)^{26}$	$E(31)^{14}+E(31)^{17}$	$E(31)^8+E(31)^{23}$	$E(31)+E(31)^{30}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{12}+E(31)^{19}$	$E(31)^3+E(31)^{28}$	$E(31)^6+E(31)^{25}$	$E(31)^{15}+E(31)^{16}$	$E(31)^7+E(31)^{24}$	$E(31)^2+E(31)^{29}$	$E(31)^{11}+E(31)^{20}$	0
χ_{12}	2	$E(31)^{10}+E(31)^{21}$	$E(31)^{11}+E(31)^{20}$	$E(31)+E(31)^{30}$	$E(31)^9+E(31)^{22}$	$E(31)^{12}+E(31)^{19}$	$E(31)^2+E(31)^{29}$	$E(31)^8+E(31)^{23}$	$E(31)^{13}+E(31)^{18}$	$E(31)^3+E(31)^{28}$	$E(31)^7+E(31)^{24}$	$E(31)^{14}+E(31)^{17}$	$E(31)^4+E(31)^{27}$	$E(31)^6+E(31)^{25}$	$E(31)^{15}+E(31)^{16}$	$E(31)^5+E(31)^{26}$	0
χ_{13}	2	$E(31)^{11}+E(31)^{20}$	$E(31)^9+E(31)^{22}$	$E(31)^2+E(31)^{29}$	$E(31)^{13}+E(31)^{18}$	$E(31)^7+E(31)^{24}$	$E(31)^4+E(31)^{27}$	$E(31)^{15}+E(31)^{16}$	$E(31)^5+E(31)^{26}$	$E(31)^6+E(31)^{25}$	$E(31)^{14}+E(31)^{17}$	$E(31)^3+E(31)^{28}$	$E(31)^8+E(31)^{23}$	$E(31)^{12}+E(31)^{19}$	$E(31)+E(31)^{30}$	$E(31)^{10}+E(31)^{21}$	0
χ_{14}	2	$E(31)^{12}+E(31)^{19}$	$E(31)^7+E(31)^{24}$	$E(31)^5+E(31)^{26}$	$E(31)^{14}+E(31)^{17}$	$E(31)^2+E(31)^{29}$	$E(31)^{10}+E(31)^{21}$	$E(31)^9+E(31)^{22}$	$E(31)^3+E(31)^{28}$	$E(31)^{15}+E(31)^{16}$	$E(31)^4+E(31)^{27}$	$E(31)^8+E(31)^{23}$	$E(31)^{11}+E(31)^{20}$	$E(31)+E(31)^{30}$	$E(31)^{13}+E(31)^{18}$	$E(31)^6+E(31)^{25}$	0
χ_{15}	2	$E(31)^{13}+E(31)^{18}$	$E(31)^5+E(31)^{26}$	$E(31)^8+E(31)^{23}$	$E(31)^{10}+E(31)^{21}$	$E(31)^3+E(31)^{28}$	$E(31)^{15}+E(31)^{16}$	$E(31)^2+E(31)^{29}$	$E(31)^{11}+E(31)^{20}$	$E(31)^7+E(31)^{24}$	$E(31)^6+E(31)^{25}$	$E(31)^{12}+E(31)^{19}$	$E(31)+E(31)^{30}$	$E(31)^{14}+E(31)^{17}$	$E(31)^4+E(31)^{27}$	$E(31)^9+E(31)^{22}$	0
χ_{16}	2	$E(31)^{14}+E(31)^{17}$	$E(31)^3+E(31)^{28}$	$E(31)^{11}+E(31)^{20}$	$E(31)^6+E(31)^{25}$	$E(31)^8+E(31)^{23}$	$E(31)^9+E(31)^{22}$	$E(31)^5+E(31)^{26}$	$E(31)^{12}+E(31)^{19}$	$E(31)^2+E(31)^{29}$	$E(31)^{15}+E(31)^{16}$	$E(31)+E(31)^{30}$	$E(31)^{13}+E(31)^{18}$	$E(31)^4+E(31)^{27}$	$E(31)^{10}+E(31)^{21}$	$E(31)^7+E(31)^{24}$	0
χ_{17}	2	$E(31)^{15}+E(31)^{16}$	$E(31)+E(31)^{30}$	$E(31)^{14}+E(31)^{17}$	$E(31)^2+E(31)^{29}$	$E(31)^{13}+E(31)^{18}$	$E(31)^3+E(31)^{28}$	$E(31)^{12}+E(31)^{19}$	$E(31)^4+E(31)^{27}$	$E(31)^{11}+E(31)^{20}$	$E(31)^5+E(31)^{26}$	$E(31)^{10}+E(31)^{21}$	$E(31)^6+E(31)^{25}$	$E(31)^9+E(31)^{22}$	$E(31)^7+E(31)^{24}$	$E(31)^8+E(31)^{23}$	0

Trivial source character table of $G \cong$ D62 at $p = 2$:

Normalisers N_i	N_1																N_2
p-subgroups of G up to conjugacy in G	P_1																P_2
Representatives $n_j \in N_i$	$1a$	$31a$	$31b$	$31c$	$31d$	$31e$	$31f$	$31g$	$31h$	$31i$	$31j$	$31k$	$31l$	$31m$	$31n$	$31o$	$1a$
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)+E(31)^{30}$	$E(31)^2+E(31)^{29}$	$E(31)^3+E(31)^{28}$	$E(31)^4+E(31)^{27}$	$E(31)^5+E(31)^{26}$	$E(31)^6+E(31)^{25}$	$E(31)^7+E(31)^{24}$	$E(31)^8+E(31)^{23}$	$E(31)^9+E(31)^{22}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{15}+E(31)^{16}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^8+E(31)^{23}$	$E(31)^{15}+E(31)^{16}$	$E(31)^7+E(31)^{24}$	$E(31)+E(31)^{30}$	$E(31)^9+E(31)^{22}$	$E(31)^{14}+E(31)^{17}$	$E(31)^6+E(31)^{25}$	$E(31)^2+E(31)^{29}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{13}+E(31)^{18}$	$E(31)^5+E(31)^{26}$	$E(31)^3+E(31)^{28}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{12}+E(31)^{19}$	$E(31)^4+E(31)^{27}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^2+E(31)^{29}$	$E(31)^4+E(31)^{27}$	$E(31)^6+E(31)^{25}$	$E(31)^8+E(31)^{23}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{11}+E(31)^{20}$	$E(31)^9+E(31)^{22}$	$E(31)^7+E(31)^{24}$	$E(31)^5+E(31)^{26}$	$E(31)^3+E(31)^{28}$	$E(31)+E(31)^{30}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^4+E(31)^{27}$	$E(31)^8+E(31)^{23}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{11}+E(31)^{20}$	$E(31)^7+E(31)^{24}$	$E(31)^3+E(31)^{28}$	$E(31)+E(31)^{30}$	$E(31)^5+E(31)^{26}$	$E(31)^9+E(31)^{22}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{10}+E(31)^{21}$	$E(31)^6+E(31)^{25}$	$E(31)^2+E(31)^{29}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^{12}+E(31)^{19}$	$E(31)^7+E(31)^{24}$	$E(31)^5+E(31)^{26}$	$E(31)^{14}+E(31)^{17}$	$E(31)^2+E(31)^{29}$	$E(31)^{10}+E(31)^{21}$	$E(31)^9+E(31)^{22}$	$E(31)^3+E(31)^{28}$	$E(31)+E(31)^{30}$	$E(31)^5+E(31)^{26}$	$E(31)^9+E(31)^{22}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{10}+E(31)^{21}$	$E(31)^6+E(31)^{25}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^7+E(31)^{24}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{10}+E(31)^{21}$	$E(31)^3+E(31)^{28}$	$E(31)^4+E(31)^{27}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{13}+E(31)^{18}$	$E(31)^6+E(31)^{25}$	$E(31)+E(31)^{30}$	$E(31)^8+E(31)^{23}$	$E(31)^{15}+E(31)^{16}$	$E(31)^9+E(31)^{22}$	$E(31)^2+E(31)^{29}$	$E(31)^5+E(31)^{26}$	$E(31)^{12}+E(31)^{19}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^{14}+E(31)^{17}$	$E(31)^3+E(31)^{28}$	$E(31)^{11}+E(31)^{20}$	$E(31)^6+E(31)^{25}$	$E(31)^8+E(31)^{23}$	$E(31)^9+E(31)^{22}$	$E(31)^5+E(31)^{26}$	$E(31)^{12}+E(31)^{19}$	$E(31)^2+E(31)^{29}$	$E(31)^{15}+E(31)^{16}$	$E(31)+E(31)^{30}$	$E(31)^{13}+E(31)^{18}$	$E(31)^4+E(31)^{27}$	$E(31)^{10}+E(31)^{21}$	$E(31)^7+E(31)^{24}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^6+E(31)^{25}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{13}+E(31)^{18}$	$E(31)^7+E(31)^{24}$	$E(31)+E(31)^{30}$	$E(31)^5+E(31)^{26}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{14}+E(31)^{17}$	$E(31)^8+E(31)^{23}$	$E(31)^2+E(31)^{29}$	$E(31)^4+E(31)^{27}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{15}+E(31)^{16}$	$E(31)^9+E(31)^{22}$	$E(31)^3+E(31)^{28}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^3+E(31)^{28}$	$E(31)^6+E(31)^{25}$	$E(31)^9+E(31)^{22}$	$E(31)^{12}+E(31)^{19}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{13}+E(31)^{18}$	$E(31)^{10}+E(31)^{21}$	$E(31)^7+E(31)^{24}$	$E(31)^4+E(31)^{27}$	$E(31)+E(31)^{30}$	$E(31)^2+E(31)^{29}$	$E(31)^5+E(31)^{26}$	$E(31)^8+E(31)^{23}$	$E(31)^{11}+E(31)^{20}$	$E(31)^{14}+E(31)^{17}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^{13}+E(31)^{18}$	$E(31)^5+E(31)^{26}$	$E(31)^8+E(31)^{23}$	$E(31)^{10}+E(31)^{21}$	$E(31)^3+E(31)^{28}$	$E(31)^{15}+E(31)^{16}$	$E(31)^2+E(31)^{29}$	$E(31)^{11}+E(31)^{20}$	$E(31)^7+E(31)^{24}$	$E(31)^6+E(31)^{25}$	$E(31)^{12}+E(31)^{19}$	$E(31)+E(31)^{30}$	$E(31)^{14}+E(31)^{17}$	$E(31)^4+E(31)^{27}$	$E(31)^9+E(31)^{22}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^{10}+E(31)^{21}$	$E(31)^{11}+E(31)^{20}$	$E(31)+E(31)^{30}$	$E(31)^9+E(31)^{22}$	$E(31)^{12}+E(31)^{19}$	$E(31)^2+E(31)^{29}$	$E(31)^8+E(31)^{23}$	$E(31)^3+E(31)^{28}$	$E(31)^{14}+E(31)^{17}$	$E(31)^4+E(31)^{27}$	$E(31)^6+E(31)^{25}$	$E(31)^{15}+E(31)^{16}$	$E(31)^5+E(31)^{26}$	$E(31)^{13}+E(31)^{18}$	$E(31)^7+E(31)^{24}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^9+E(31)^{22}$	$E(31)^{13}+E(31)^{18}$	$E(31)^4+E(31)^{27}$	$E(31)^5+E(31)^{26}$	$E(31)^{14}+E(31)^{17}$	$E(31)^8+E(31)^{23}$	$E(31)+E(31)^{30}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{12}+E(31)^{19}$	$E(31)^3+E(31)^{28}$	$E(31)^7+E(31)^{24}$	$E(31)^2+E(31)^{29}$	$E(31)^{11}+E(31)^{20}$	$E(31)^6+E(31)^{25}$	$E(31)^{15}+E(31)^{16}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^5+E(31)^{26}$	$E(31)^{10}+E(31)^{21}$	$E(31)^{15}+E(31)^{16}$	$E(31)^{11}+E(31)^{20}$	$E(31)^6+E(31)^{25}$	$E(31)^8+E(31)^{23}$	$E(31)+E(31)^{30}$	$E(31)^4+E(31)^{27}$	$E(31)^9+E(31)^{22}$	$E(31)^{14}+E(31)^{17}$	$E(31)^{12}+E(31)^{19}$	$E(31)^3+E(31)^{28}$	$E(31)^7+E(31)^{24}$	$E(31)^2+E(31)^{29}$	$E(31)^{11}+E(31)^{20}$	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	2	$E(31)^{11}+E(31)^{20}$	$E(31)^9+E(31)^{22}$	$E(31)^2+E(31)^{29}$	$E(31)^{13}+E(31)^{18}$	$E(31)^7+E(31)^{24}$	$E(31)^4+E(31)^{27}$	$E(31)^{15}+E(31)^{16}$	$E(31)^5+E(31)^{26}$	$E(31)^6+E(31)^{25}$	$E(31)^{14}+E(31)^{17}$	$E(31)^3+E(31)^{28}$	$E(31)^8+E(31)^{23}$	$E(31)^{12}+E(31)^{19}$	$E(31)+E(31)^{30}$	$E(31)^{10}+E(31)^{21}$	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,2)(3,62)(4,61)(5,60)(6,59)(7,58)(8,57)(9,56)(10,55)(11,54)(12,53)(13,52)(14,51)(15,50)(16,49)(17,48)(18,47)(19,46)(20,45)(21,44)(22,43)(23,42)(24,41)(25,40)(26,39)(27,38)(28,37)(29,36)(30,35)(31,34)(32,33)]) \cong$ C2

$N_1 = Group([(1,2)(3,62)(4,61)(5,60)(6,59)(7,58)(8,57)(9,56)(10,55)(11,54)(12,53)(13,52)(14,51)(15,50)(16,49)(17,48)(18,47)(19,46)(20,45)(21,44)(22,43)(23,42)(24,41)(25,40)(26,39)(27,38)(28,37)(29,36)(30,35)(31,34)(32,33), (1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61)(2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,52,54,56,58,60,62)]) \cong$ D62
$N_2 = Group([(1,2)(3,62)(4,61)(5,60)(6,59)(7,58)(8,57)(9,56)(10,55)(11,54)(12,53)(13,52)(14,51)(15,50)(16,49)(17,48)(18,47)(19,46)(20,45)(21,44)(22,43)(23,42)(24,41)(25,40)(26,39)(27,38)(28,37)(29,36)(30,35)(31,34)(32,33)]) \cong$ C2