

The group *G* is isomorphic to the group labelled by [32, 13] in the Small Groups library.
Ordinary character table of *G* ≅ C8 : C4:

	1a	4a	8a	4b	2a	2b	4c	4d	8b	8c	4e	2c	4f	8d
χ1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ2	1	−1	−1	1	1	1	1	−1	−1	−1	1	1	1	−1
χ3	1	−1	1	1	1	1	−1	−1	1	1	1	1	−1	1
χ4	1	1	−1	1	1	1	−1	1	−1	−1	1	1	−1	−1
χ5	1	−E(4)	−1	1	−1	1	E(4)	E(4)	1	−1	−1	−1	−E(4)	1
χ6	1	E(4)	−1	1	−1	1	−E(4)	−E(4)	1	−1	−1	−1	E(4)	1
χ7	1	−E(4)	1	1	−1	1	−E(4)	E(4)	−1	1	−1	−1	E(4)	−1
χ8	1	E(4)	1	1	−1	1	E(4)	−E(4)	−1	1	−1	−1	−E(4)	−1
χ9	2	0	0	−2	−2	2	0	0	0	0	2	−2	0	0
χ10	2	0	0	−2	2	2	0	0	0	0	−2	2	0	0
χ11	2	0	−E(8) − E(8) ³	0	−2	−2	0	0	E(8) + E(8) ³	E(8) + E(8) ³	0	2	0	−E(8) − E(8) ³
χ12	2	0	E(8) + E(8) ³	0	−2	−2	0	0	−E(8) − E(8) ³	−E(8) − E(8) ³	0	2	0	E(8) + E(8) ³
χ13	2	0	−E(8) − E(8) ³	0	2	−2	0	0	−E(8) − E(8) ³	E(8) + E(8) ³	0	−2	0	E(8) + E(8) ³
χ14	2	0	E(8) + E(8) ³	0	2	−2	0	0	E(8) + E(8) ³	−E(8) − E(8) ³	0	−2	0	−E(8) − E(8) ³

Trivial source character table of *G* ≅ C8 : C4 at *p* = 2:

Normalisers <i>N</i> _{<i>i</i>}	<i>N</i> ₁	<i>N</i> ₂	<i>N</i> ₃	<i>N</i> ₄	<i>N</i> ₅	<i>N</i> ₆	<i>N</i> ₇	<i>N</i> ₈	<i>N</i> ₉	<i>N</i> ₁₀	<i>N</i> ₁₁	<i>N</i> ₁₂	<i>N</i> ₁₃	<i>N</i> ₁₄	<i>N</i> ₁₅	<i>N</i> ₁₆	<i>N</i> ₁₇	<i>N</i> ₁₈
<i>p</i> -subgroups of <i>G</i> up to conjugacy in <i>G</i>	<i>P</i> ₁	<i>P</i> ₂	<i>P</i> ₃	<i>P</i> ₄	<i>P</i> ₅	<i>P</i> ₆	<i>P</i> ₇	<i>P</i> ₈	<i>P</i> ₉	<i>P</i> ₁₀	<i>P</i> ₁₁	<i>P</i> ₁₂	<i>P</i> ₁₃	<i>P</i> ₁₄	<i>P</i> ₁₅	<i>P</i> ₁₆	<i>P</i> ₁₇	<i>P</i> ₁₈
Representatives <i>n</i> _{<i>j</i>} ∈ <i>N</i> _{<i>i</i>}	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 1 · χ5 + 1 · χ6 + 1 · χ7 + 1 · χ8 + 2 · χ9 + 2 · χ10 + 2 · χ11 + 2 · χ12 + 2 · χ13 + 2 · χ14	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 1 · χ5 + 1 · χ6 + 1 · χ7 + 1 · χ8 + 2 · χ9 + 2 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 2 · χ10 + 0 · χ11 + 0 · χ12 + 2 · χ13 + 2 · χ14	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 2 · χ10 + 2 · χ11 + 2 · χ12 + 0 · χ13 + 0 · χ14	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 2 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 1 · χ5 + 1 · χ6 + 1 · χ7 + 1 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	8	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 2 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	8	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 0 · χ2 + 0 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 1 · χ10 + 0 · χ11 + 0 · χ12 + 1 · χ13 + 1 · χ14	8	0	8	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 0 · χ3 + 0 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 1 · χ10 + 1 · χ11 + 1 · χ12 + 0 · χ13 + 0 · χ14	8	0	0	8	0	0	0	0	2	0	0	0	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 1 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	4	4	4	4	4	4	4	0	0	4	0	0	0	0	0	0	0	0
1 · χ1 + 0 · χ2 + 1 · χ3 + 0 · χ4 + 0 · χ5 + 0 · χ6 + 1 · χ7 + 1 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	4	4	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0
1 · χ1 + 0 · χ2 + 1 · χ3 + 0 · χ4 + 1 · χ5 + 1 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	4	4	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0
1 · χ1 + 0 · χ2 + 0 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 1 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	4	4	4	4	4	4	0	2	0	0	0	2	0	0	0	0	0	0
1 · χ1 + 1 · χ2 + 0 · χ3 + 0 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 1 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	4	4	4	4	4	0	0	2	0	0	0	0	2	0	0	0	0	0
1 · χ1 + 0 · χ2 + 1 · χ3 + 0 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	2	2	2	2	2	2	2	2	0	2	0	0	2	0	0	2	0	0
1 · χ1 + 0 · χ2 + 0 · χ3 + 1 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	2	2	2	2	2	2	2	2	0	2	0	0	2	0	0	2	0	0
1 · χ1 + 1 · χ2 + 0 · χ3 + 0 · χ4 + 0 · χ5 + 0 · χ6 + 0 · χ7 + 0 · χ8 + 0 · χ9 + 0 · χ10 + 0 · χ11 + 0 · χ12 + 0 · χ13 + 0 · χ14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

*P*₁ = *Group*((1)) ≅ 1
*P*₂ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32)) ≅ C2
*P*₃ = *Group*((1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C2
*P*₄ = *Group*((1, 16)(2, 22)(3, 25)(4, 26)(5, 6)(7, 29)(8, 30)(9, 10)(11, 31)(12, 13)(14, 15)(17, 32)(18, 19)(20, 21)(23, 24)(27, 28)) ≅ C2
*P*₅ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C2 x C2
*P*₆ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32)) ≅ C4
*P*₇ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 14, 6, 26)(2, 20, 10, 30)(3, 23, 13, 31)(4, 16, 15, 5)(7, 27, 19, 32)(8, 22, 21, 9)(11, 25, 24, 12)(17, 29, 28, 18)) ≅ C4
*P*₈ = *Group*((1, 2, 5, 9)(3, 17, 12, 27)(4, 21, 14, 30)(6, 10, 16, 22)(7, 23, 18, 11)(8, 26, 20, 15)(13, 28, 25, 32)(19, 31, 29, 24), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C4
*P*₉ = *Group*((1, 17, 16, 32)(2, 23, 22, 24)(3, 21, 25, 20)(4, 7, 26, 29)(5, 27, 6, 28)(8, 12, 30, 13)(9, 11, 10, 31)(14, 18, 15, 19), (1, 16)(2, 22)(3, 25)(4, 26)(5, 6)(7, 29)(8, 30)(9, 10)(11, 31)(12, 13)(14, 15)(17, 32)(18, 19)(20, 21)(23, 24)(27, 28)) ≅ C4
*P*₁₀ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C4 x C2
*P*₁₁ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 3, 4, 11, 6, 13, 15, 24)(2, 7, 8, 17, 10, 19, 21, 28)(5, 12, 14, 23, 16, 25, 26, 31)(9, 18, 20, 27, 22, 29, 30, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32)) ≅ C8
*P*₁₂ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 12, 4, 23, 6, 25, 15, 31)(2, 18, 8, 27, 10, 29, 21, 32)(3, 14, 11, 16, 13, 26, 24, 5)(7, 20, 17, 22, 19, 30, 28, 9), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32)) ≅ C8
*P*₁₃ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 2, 5, 9)(3, 17, 12, 27)(4, 21, 14, 30)(6, 10, 16, 22)(7, 23, 18, 11)(8, 26, 20, 15)(13, 28, 25, 32)(19, 31, 29, 24), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C4 x C2
*P*₁₄ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 17, 16, 32)(2, 23, 22, 24)(3, 21, 25, 20)(4, 7, 26, 29)(5, 27, 6, 28)(8, 12, 30, 13)(9, 11, 10, 31)(14, 18, 15, 19), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32)) ≅ C4 x C2
*P*₁₅ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32), (1, 3, 4, 11, 6, 13, 15, 24)(2, 7, 8, 17, 10, 19, 21, 28)(5, 12, 14, 23, 16, 25, 26, 31)(9, 18, 20, 27, 22, 29, 30, 32)) ≅ C8 x C2
*P*₁₆ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32), (1, 2, 5, 9)(3, 17, 12, 27)(4, 21, 14, 30)(6, 10, 16, 22)(7, 23, 18, 11)(8, 26, 20, 15)(13, 28, 25, 32)(19, 31, 29, 24)) ≅ C4 : C4
*P*₁₇ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32), (1, 17, 16, 32)(2, 23, 22, 24)(3, 21, 25, 20)(4, 7, 26, 29)(5, 27, 6, 28)(8, 12, 30, 13)(9, 11, 10, 31)(14, 18, 15, 19)) ≅ C4 : C4
*P*₁₈ = *Group*((1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32), (1, 3, 4, 11, 6, 13, 15, 24)(2, 7, 8, 17, 10, 19, 21, 28)(5, 12, 14, 23, 16, 25, 26, 31)(9, 18, 20, 27, 22, 29, 30, 32)) ≅ C8 : C4

*N*₁ = *Group*((1, 2, 5, 9)(3, 17, 12, 27)(4, 21, 14, 30)(6, 10, 16, 22)(7, 23, 18, 11)(8, 26, 20, 15)(13, 28, 25, 32)(19, 31, 29, 24), (1, 3, 4, 11, 6, 13, 15, 24)(2, 7, 8, 17, 10, 19, 21, 28)(5, 12, 14, 23, 16, 25, 26, 31)(9, 18, 20, 27, 22, 29, 30, 32), (1, 4, 6, 15)(2, 8, 10, 21)(3, 11, 13, 24)(5, 14, 16, 26)(7, 17, 19, 28)(9, 20, 22, 30)(12, 23, 25, 31)(18, 27, 29, 32), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 18)(8, 20)(10, 22)(11, 23)(13, 25)(15, 26)(17, 27)(19, 29)(21, 30)(24, 31)(28, 32), (1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32)) ≅ C8 : C4
*N*₂ = *Group*((1, 2, 5, 9)(3, 1