

The group  $G$  is isomorphic to the group labelled by [ 70, 2 ] in the Small Groups library.  
 Ordinary character table of  $G \cong C_5 \times D_{14}$ :

	1a	2a	5a	7a	10a	5b	35a	7b	10b	5c	35b	35c	7c	10c	5d	35d	35e	10d	35g	35h	35i	35j	35k	35l	
$\chi_1$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_2$	1	-1	1	1	-1	1	1	-1	1	1	1	-1	1	1	-1	1	1	1	1	1	1	1	1	1	
$\chi_3$	1	-1	$E(5)^4$	1	- $E(5)^4$	$E(5)^3$	$E(5)^4$	1	- $E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	- $E(5)^2$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)$	
$\chi_4$	1	-1	$E(5)^3$	1	- $E(5)^3$	$E(5)$	$E(5)^3$	1	- $E(5)$	$E(5)^4$	$E(5)$	$E(5)^3$	1	- $E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^2$	$E(5)^4$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^2$	
$\chi_5$	1	-1	$E(5)^2$	1	- $E(5)^2$	$E(5)^4$	$E(5)^2$	1	- $E(5)^4$	$E(5)$	$E(5)^4$	$E(5)^2$	1	- $E(5)$	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)$	
$\chi_6$	1	-1	$E(5)$	1	- $E(5)$	$E(5)^2$	$E(5)$	1	- $E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)$	1	- $E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^4$	
$\chi_7$	1	1	$E(5)^4$	1	$E(5)^4$	$E(5)^3$	$E(5)^4$	1	$E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)$	
$\chi_8$	1	1	$E(5)^3$	1	$E(5)^3$	$E(5)$	$E(5)^3$	1	$E(5)$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^2$	
$\chi_9$	1	1	$E(5)^2$	1	$E(5)^2$	$E(5)^4$	$E(5)^2$	1	$E(5)^4$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)$	
$\chi_{10}$	1	1	$E(5)$	1	$E(5)$	$E(5)^2$	$E(5)$	1	$E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(5)^4$	$E(5)$	$E(5)^4$	
$\chi_{11}$	2	0	2	$E(7) + E(7)^6$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$							
$\chi_{12}$	2	0	2	$E(7)^2 + E(7)^5$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	
$\chi_{13}$	2	0	2	$E(7)^3 + E(7)^4$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$		
$\chi_{14}$	2	0	$2 * E(5)^4$	$E(7) + E(7)^6$	0	$2 * E(5)^3$	$E(35)^{23} + E(35)^{33}$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^2$	$E(35)^{16} + E(35)^{26}$	$E(35)^3 + E(35)^{18}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)$	$E(35)^9 + E(35)^{19}$	$E(35)^{11} + E(35)^{31}$	$E(35)^8 + E(35)^{13}$	0	$E(35)^2 + E(35)^{12}$	$E(35)^4 + E(35)^{24}$	$E(35)^{17} + E(35)^{32}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^9 + E(35)^{19}$
$\chi_{15}$	2	0	$2 * E(5)^3$	$E(7) + E(7)^6$	0	$2 * E(5)$	$E(35)^{16} + E(35)^{26}$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^4$	$E(35)^2 + E(35)^{12}$	$E(35)^{11} + E(35)^{31}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^2$	$E(35)^{23} + E(35)^{33}$	$E(35)^{17} + E(35)^{32}$	$E(35)^9 + E(35)^{19}$	0	$E(35)^3 + E(35)^{16}$	$E(35)^4 + E(35)^{24}$	$E(35)^8 + E(35)^{13}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^9 + E(35)^{19}$
$\chi_{16}$	2	0	$2 * E(5)^2$	$E(7) + E(7)^6$	0	$2 * E(5)^4$	$E(35)^9 + E(35)^{19}$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^3$	$E(35)^2 + E(35)^{12}$	$E(35)^{13} + E(35)^{34}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^3$	$E(35)^6 + E(35)^{26}$	$E(35)^{17} + E(35)^{31}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$
$\chi_{17}$	2	0	$2 * E(5)$	$E(7) + E(7)^6$	0	$2 * E(5)^2$	$E(35)^2 + E(35)^{12}$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^3$	$E(35)^9 + E(35)^{19}$	$E(35)^{17} + E(35)^{32}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^4$	$E(35)^6 + E(35)^{26}$	$E(35)^{11} + E(35)^{31}$	$E(35)^{23} + E(35)^{34}$	$E(35)^9 + E(35)^{13}$	$E(35)^8 + E(35)^{13}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$
$\chi_{18}$	2	0	$2 * E(5)^4$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^3$	$E(35)^3 + E(35)^{18}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^2$	$E(35)^2 + E(35)^{11}$	$E(35)^8 + E(35)^{13}$	$E(7) + E(7)^6$	0	$2 * E(5)$	$E(35)^4 + E(35)^{24}$	$E(35)^{11} + E(35)^{31}$	$E(35)^{17} + E(35)^{32}$	$E(35)^{23} + E(35)^{34}$	$E(35)^{16} + E(35)^{26}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$
$\chi_{19}$	2	0	$2 * E(5)^3$	$E(7)^2 + E(7)^5$	0	$2 * E(5)$	$E(35)^{11} + E(35)^{31}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^4$	$E(35)^{17} + E(35)^{32}$	$E(35)^3 + E(35)^{16}$	$E(7) + E(7)^6$	0	$2 * E(5)^2$	$E(35)^3 + E(35)^{18}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{16} + E(35)^{26}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	
$\chi_{20}$	2	0	$2 * E(5)^2$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^4$	$E(35)^4 + E(35)^{24}$	$E(7)^2 + E(7)^6$	0	$2 * E(5)^3$	$E(35)^3 + E(35)^{12}$	$E(35)^8 + E(35)^{13}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^3$	$E(35)^{17} + E(35)^{31}$	$E(35)^{11} + E(35)^{19}$	$E(35)^{23} + E(35)^{33}$	$E(35)^{16} + E(35)^{24}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{11} + E(35)^{16}$
$\chi_{21}$	2	0	$2 * E(5)$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^2$	$E(35)^{17} + E(35)^{32}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^3$	$E(35)^4 + E(35)^{24}$	$E(35)^{22} + E(35)^{27}$	$E(7) + E(7)^6</math$												