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*Polygonal products of polycyclic by finite groups.* (English)

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Let  $\mathcal{P}$  be a polygon with four edges,  $A_i$  ( $1 \leq i \leq 4$ ) be vertex groups,  $A_i \cap A_{i+1} = K_i$  and  $K_i \cap K_{i+1}$  is trivial (here all indexes are taken modulo 4). A group  $G$  is called cyclic subgroup separable (or  $\pi_c$ ) if for each cyclic subgroup  $H$  of  $G$  and each element  $g \in G \setminus H$  there exists a finite homomorphic image  $\overline{G}$  of  $G$  for which  $\overline{g} \notin \overline{H}$ . The following main result is established. Theorem C. Let  $P$  be a polygonal product of four polycyclic by finite groups  $A_1, A_2, A_3$  and  $A_4$  where each amalgamated subgroup  $K_i = A_i \cap A_{i+1}$  is normal in each  $A_i$  and  $A_{i+1}$  (and, for each  $i$ ,  $K_i \cap K_{i+1} = \langle 1 \rangle$ , the trivial subgroup). Then  $P$  is  $\pi_c$ .

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