Zentralblatt–MATH

Kolmakov, Yu.A.
Residual finiteness with respect to conjugacy of some factor-groups of a free product. Mat. Sb., Nov. Ser. 132(174), No.1, 64-72 (1987).

Let F be the free product of torsion-free groups G_i, $i \in I$. Let C denote the Cartesian subgroup of F and $C^{(n)}$ the nth member of the derived series of C. Main results: if all G_i are residually finite with respect to conjugacy and occurrence in cyclic subgroups, then for each natural n the group $F/C^{(n)}$ is residually finite with respect to conjugacy; if the conjugacy problem and the problem of occurrence in cyclic subgroups are solvable for all G_i, then for each natural n the group $F/C^{(n)}$ has solvable conjugacy problem.

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