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Título: Order of products of elements in finite groups.

Resumo: Let G be a finite group, p and q primes, x in G a p -element. It is an interesting problem to place x in a small convenient (normal) subgroup of G assuming some knowledge of the order of the products xy , for certain q -elements y of G . In this talk, we put some special restrictions on the order of the products of xy for all q -elements y in G , to place x in a nilpotent normal subgroup of G .