

SEMINÁRIO DE ÁLGEBRA

Conjugacy classes of permutation groups

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Abstract. In this talk I will present a result I proved with Attila Maroti, the following: if G is a subgroup of the symmetric group of degree $n \geq 4$ then G has at most $5^{(n-1)/3}$ conjugacy classes. I will introduce the history of the problem and I will sketch a proof of the result pointing out the main ideas.