

Solving the word problem

Undergraduate Math Club
CORNELL UNIVERSITY



Jane has 25 watermelons in her car, but her dog eats 20 of them on the ride home.

How many watermelons does she have left?



$$a^{-1} b b^{-1} a = a^{-1} a = 1$$

SPEAKER

Shruthi Sridhar

ABSTRACT

Given a group G with a presentation with generators and relations, when are two words the same? This is in essence, the "Word Problem" in group theory. We will look at examples and classes of groups with solvable word problem and consider whether the word problem is solvable in general.

APR 16 at 4:45pm

Malott 532 ★ Refreshments