Pre: A, B, C ∈ ℝ

Post: whether the equation has 2, 1, or 0 roots in ℝ is outputted

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END

YES

YES

YES

it has no roots in real numbers

its roots are identical

it has 2 distinct roots

Is Δ < 0

NO

Is Δ 0

NO

Is Δ > 0

Δ

Input

A, B, C

START