This program finds the roots of a quartic equation

INPUT A

INPUT B

INPUT C

INPUT D

INPUT E

Cubic Resolvent, R = -3 \* A ^ 2 + B/ 9 \* A ^ 2

Quad Resolvent, Q = 9 \* A \* B – 27 \*A ^ 2 \* D – 2 \* B ^ 3/ 54 \* A ^ 3

Discriminant, D1 = Q ^ 2 + 4 \* R ^ 3

IF DI < 0