

Start calculate

Roots Flowchart

printf "Enter coefficients a, b, c"

get al, b1, c1 = input

printf "Enter coefficients a, b, c"

a2, b2, c2 = input

Printf "Enter coefficients a, b, c"

a3, b3, c3 = input

$$\text{root1a} = (-b1 + ((b1)^2 - 4a1c1)^{1/2}) / 2a1$$

$$\text{root1b} = (-b1 - ((b1)^2 - 4a1c1)^{1/2}) / 2a1$$

$$\text{root2a} = (-b2 + ((b2)^2 - 4a2c2)^{1/2}) / 2a2$$

$$\text{root2b} = (-b2 - ((b2)^2 - 4a2c2)^{1/2}) / 2a2$$

$$\text{root3a} = (-b3 + ((b3)^2 - 4a3c3)^{1/2}) / 2a3$$

$$\text{root3b} = (-b3 - ((b3)^2 - 4a3c3)^{1/2}) / 2a3$$

printf "a: , b: , c: root1: , root2:"

printf "#1, a1, b1, c1, root1a, root1b"

printf "#2, a2, b2, c2, root2a, root2b"

printf "#3, a3, b3, c3, root3a, root3b"

Stop