2. Draw a flowchart to find all the roots of a quadratic equation

```
                    ┌──────────┐
                    │   Main   │
                    └──────────┘
                         │
                    ┌──────────┐
                    │Real x1, x2, d│
                    └──────────┘
                         │
                    ┌──────────┐
                    │Integer a, b, c│
                    └──────────┘
                         │
                  ╱─────────────────╲
                 │ Output "Enter a number" │
                  ╲─────────────────╱
                         │
                   ╱──────────╲
                  │  Input a   │
                   ╲──────────╱
                         │
                  ╱─────────────────╲
                 │ Output "Enter a number" │
                  ╲─────────────────╱
                         │
                   ╱──────────╲
                  │  Input b   │
                   ╲──────────╱
                         │
                  ╱─────────────────╲
                 │ Output "Enter a number" │
                  ╲─────────────────╱
                         │
                   ╱──────────╲
                  │  Input c   │
                   ╲──────────╱
                         │
                    ┌──────────┐
                    │d = b^2-4*a*c│
                    └──────────┘
                         │
```

Decision: **d>=0**
- False → Output "This equation doesn't have any real roots"
- True → Decision: **d=0**
  - False:
    - x1 = (-b+d^0.5)/2*a
    - x2 = (-b-d^0.5)/2*a
    - Output "Tis equation has two different roots"
    - Output x1 & x2
  - True:
    - x1 = (-b+d^0.5)/2*a
    - x2 = x1
    - Output "This equation same roots"
    - Output x1

End