

## **Pseudocode**

### **Start**

**Read** a, b, epsilon, fa, fx, x0

epsilon := 0,001

a := -2

b := 1

fa :=  $a * a * a - a + 1$

fx := fa

### **Repeat**

    x0 :=  $(a + b)/2$

    fx :=  $x0 * x0 * x0 - x0 + 1$

    if fx \* fa < 0

        b := x0

    otherwise

        a := x0

        fa := fx

**Until**  $|fx| > \text{epsilon}$

**Write** x0

### **Stop**