

```
package formula;
public class laba1 {
      public static void main(String[] args) {
             double a = 4.5;
        double b = 5.5;
        double h = (b-a)/10;
        double c = 0;
        while (func(a)*func(a+h)>0)
             a=a+h;
        if(func(a+h)==0) {System.out.println(a+h + " корень");}
        else
        {b=a+h;
        while(Math.abs(a-b)>0.001) {c=(a+b)/2;
        if(func(a)*func(c)>0) {a=c;}
        else
        \{if(func(a)*func(c)<0) \{b=c;\}
        else {System.out.println(c + " корень");
        break; }}
        }
        }
        System.out.println(c);
      static double func(double x) {
             double y;
             y = 3-Math.sqrt(x)-0.5*Math.log(x);
             return y;
      }
```