

A



```
import java.util.Locale;
```

```
import java.util.Scanner;
```

```
public class Main {
```

```
public static void main(String[] args) {
```

```
    Scanner sc = new Scanner(System.in);
```

```
    sc.useLocale(Locale.ENGLISH);
```

```
    Locale.setDefault(new Locale("en", "US"));
```

```
    int MEDIA=0, l, c, auxL, auxC;
```

```
    char O = sc.next().charAt(0);
```

```
    double SOMA=0.0;
```

```
    double[][] MATRIZ = new double[12][12];
```

```

        for(l=0; l<12; l++)
            for(c=0; c<12; c++)
                MATRIZ[l][c] = sc.nextDouble();

        //MATRIZ[LINHA][COLUNA]

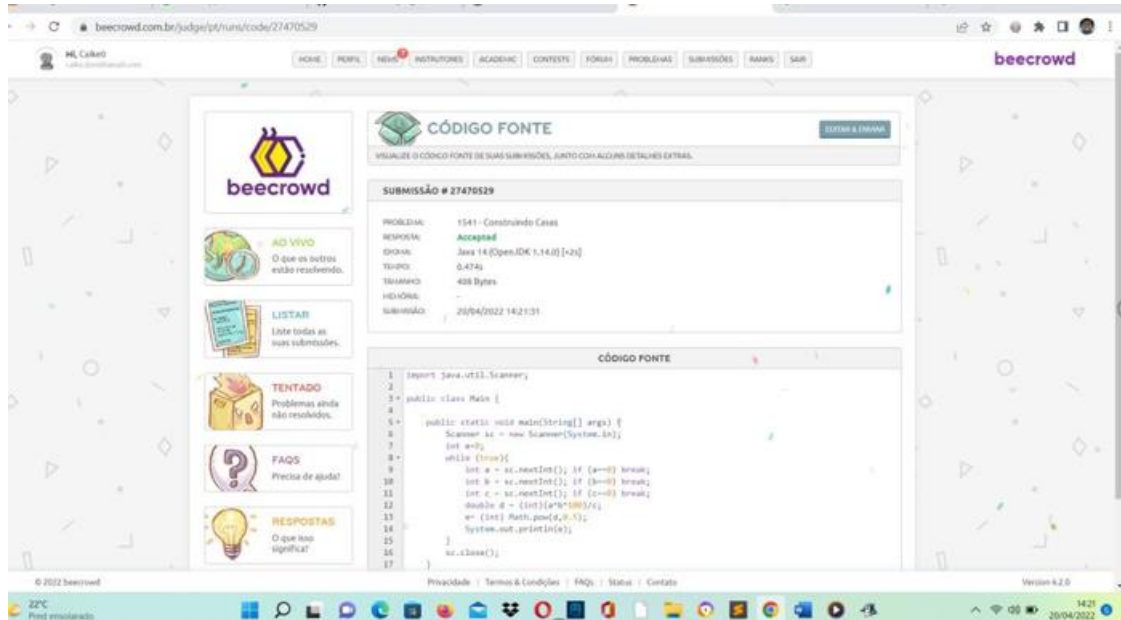
        auxL=1;
        auxC=11;
        for(l=auxL; l<=11; l++){
            for(c=auxC; c<=11; c++){
                SOMA += MATRIZ[l][c];
            }
            if (MATRIZ[l][c] != 0)
                MEDIA++;
            auxC--;
            auxL--;
        }

        if (O == 'S')
            System.out.printf("%.1f\n",SOMA);
        if (O == 'M')
            System.out.printf("%.1f\n",SOMA/66.0);
        sc.close();
    }

```

}

B



```
import java.util.Scanner;
```

```
public class Main {
```

```
public static void main(String[] args) {
```

```
Scanner sc = new Scanner(System.in);
```

```
int e=0;
```

```
while (true){
```

```
int a = sc.nextInt(); if (a==0) break;
```

```
int b = sc.nextInt(); if (b==0) break;
```

```
int c = sc.nextInt(); if (c==0) break;
```

```
double d = (int)(a*b*100)/c;
```

```

        e= (int) Math.pow(d,0.5);

        System.out.println(e);

    }

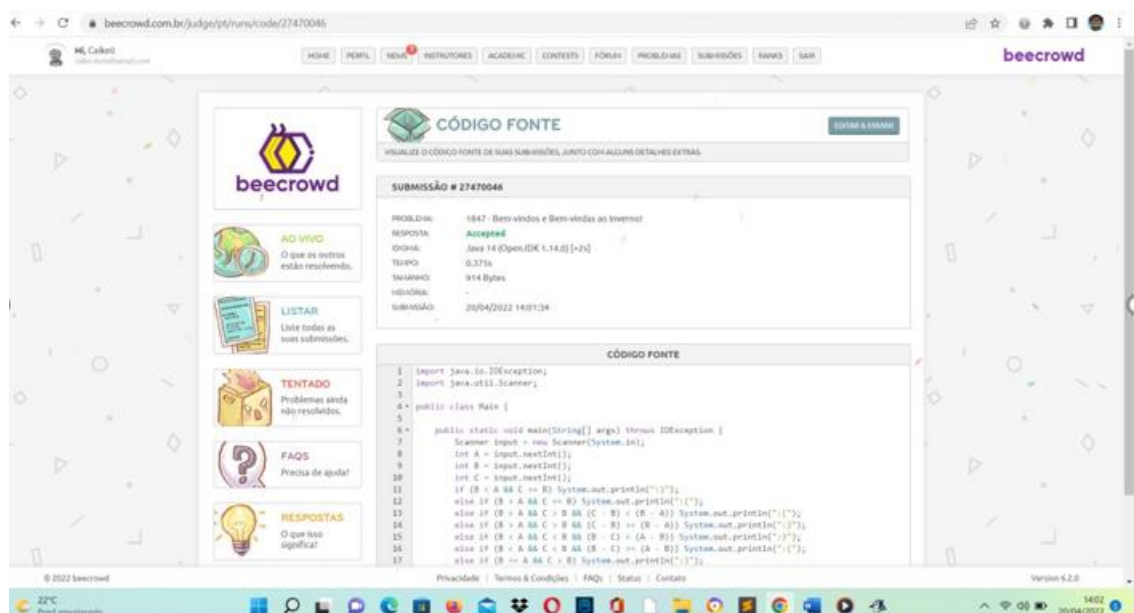
    sc.close();

}

}

```

C



```
import java.io.IOException; import
```

```
java.util.Scanner;
```

```
public class Main {
```

```
    public static void main(String[] args) throws IOException {
```

```
        Scanner input = new Scanner(System.in);
```

```
        int A = input.nextInt();    int B = input.nextInt();    int C =
        input.nextInt();    if (B < A && C >= B) System.out.println(":");
```

```

else if (B > A && C <= B) System.out.println(":(");    else if (B > A && C
> B && (C - B) < (B - A)) System.out.println(":(");    else if (B > A && C
> B && (C - B) >= (B - A)) System.out.println(":)");    else if (B < A && C
< B && (B - C) < (A - B)) System.out.println(":)");    else if (B < A && C
< B && (B - C) >= (A - B)) System.out.println(":(");    else if (B == A &&
C > B) System.out.println(":)");    else if (B == A && C < B)
System.out.println(":(");    else System.out.println(":(");

    }
}

```