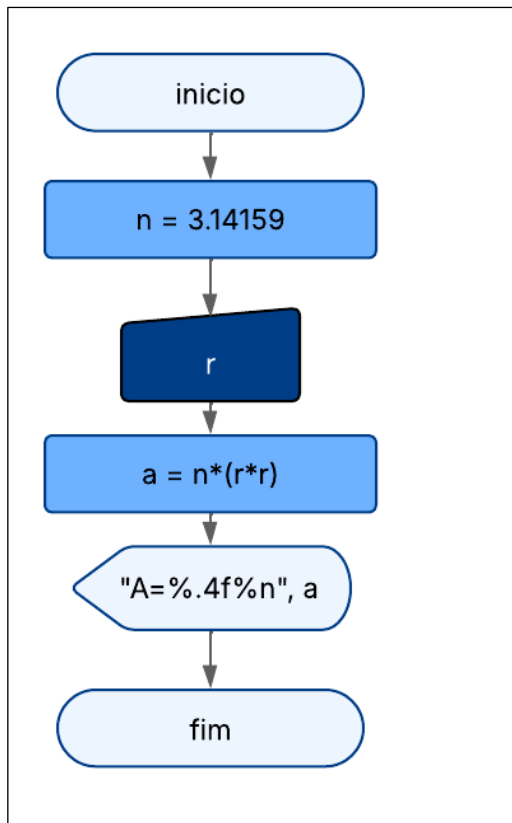


Exercícios de TPA

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1º DS A

EPS

1002 – Área do Circulo: <https://judge.beecrowd.com/pt/problems/view/1002>



```
import java.util.Scanner;

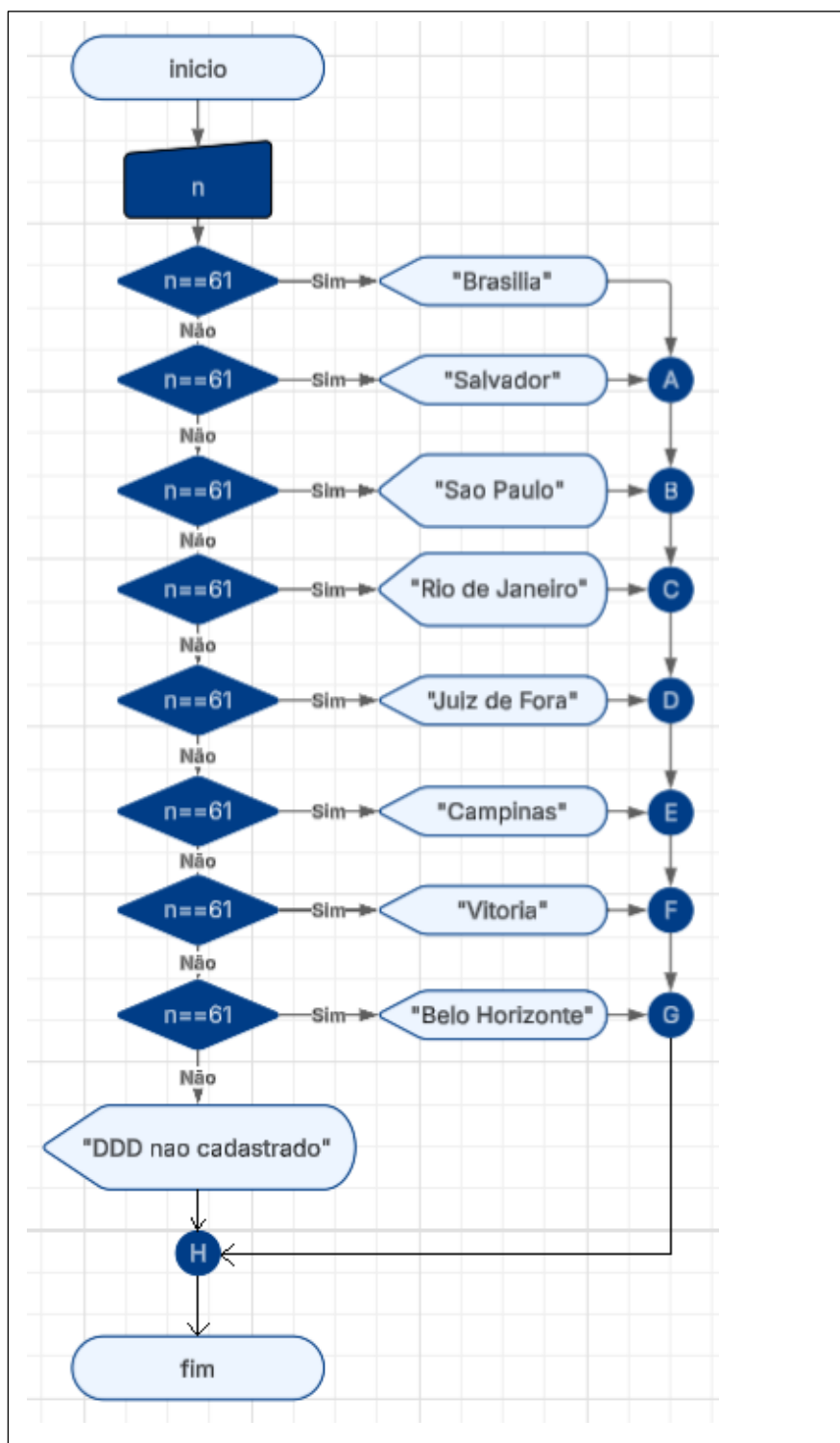
public class AreaCirculo {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        double n = 3.14159;
        double r=sc.nextDouble();
        double a = n*(r*r);
        System.out.printf("A=%.4f%n",a);

        sc.close();
    }
}
```

TOMADA DE DECISÃO

1050 – DDD: <https://judge.beecrowd.com/pt/problems/view/1050>



```

import java.util.Scanner;

public class DDD {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n=sc.nextInt();

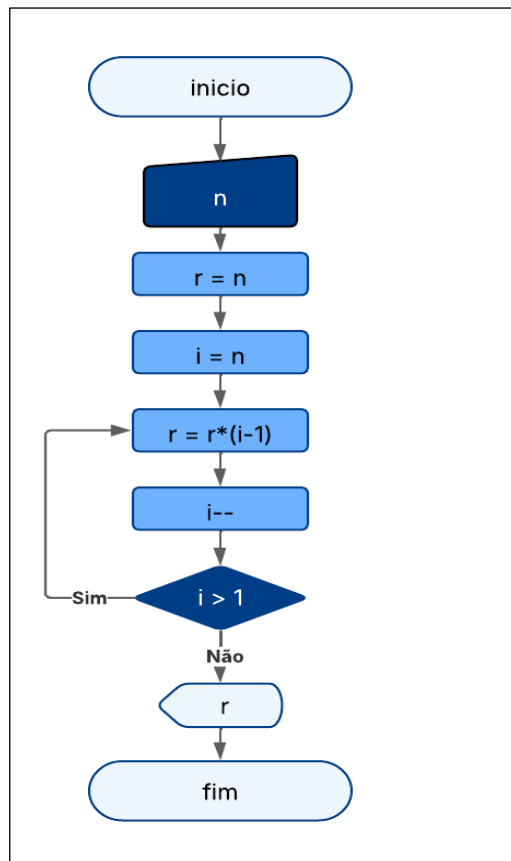
        switch(n) {
            case 61: System.out.println("Brasilia"); break;
            case 71: System.out.println("Salvador"); break;
            case 11: System.out.println("Sao Paulo"); break;
            case 21: System.out.println("Rio de Janeiro"); break;
            case 32: System.out.println("Juiz de Fora"); break;
            case 19: System.out.println("Campinas"); break;
            case 27: System.out.println("Vitoria"); break;
            case 31: System.out.println("Belo Horizonte"); break;
            default:
                System.out.println("DDD nao cadastrado");
        }

        sc.close();
    }
}

```

LAÇO (2 exercícios)

1) 1153 – Fatorial Simples: <https://judge.beecrowd.com/pt/problems/view/1153>



```
import java.util.Scanner;

public class Fatorial {

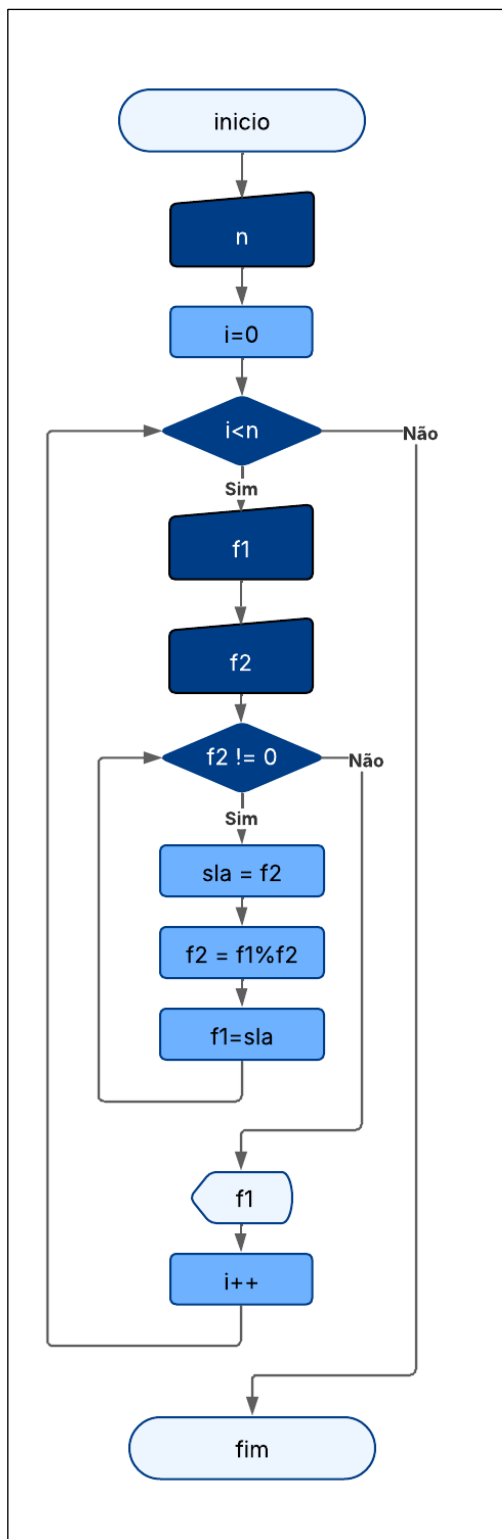
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int i, r;

        int n = sc.nextInt();
        r = n;
        i = n;

        do {
            r = r*(i-1);
            i--;
        }while (i > 1);
        System.out.println(r);

        sc.close();
    }
}
```

2) 1028 – Figurinhas: <https://judge.beecrowd.com/pt/problems/view/1028>



```
import java.util.Scanner;

public class P1028_Nivel3_Figurinhas {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int sla;
        int n=sc.nextInt();

        int i=0;
        while(i<n) {
            int f1=sc.nextInt();
            int f2=sc.nextInt();

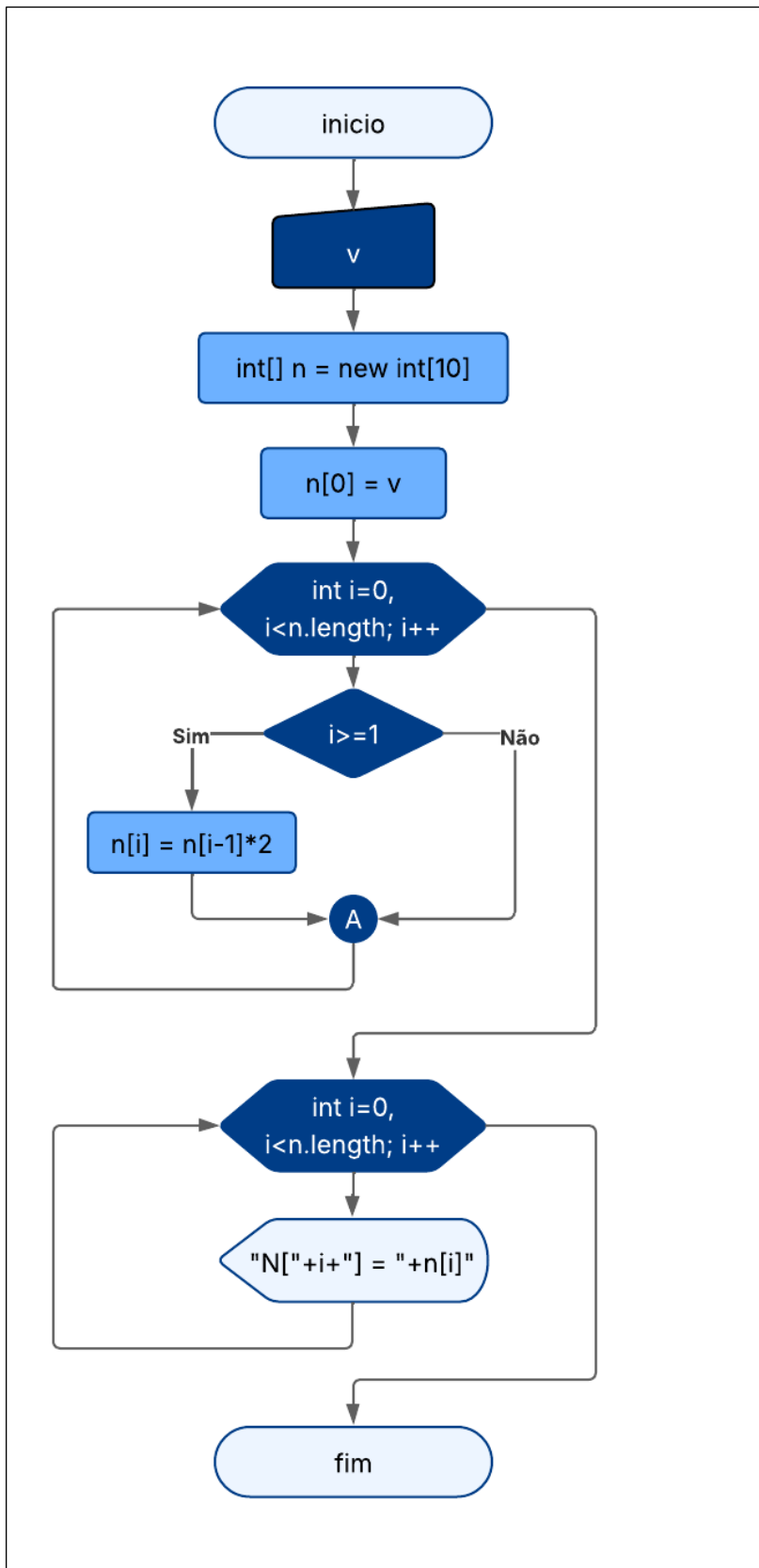
            while(f2!=0) {
                sla=f2;
                f2=f1%f2;
                f1=sla;
            }
            System.out.println(f1);

            i++;
        }

        sc.close();
    }
}
```

VETOR

1173 - Preenchimento de Vetor I: <https://judge.beecrowd.com/pt/problems/view/1173>



```
import java.util.Scanner;

public class ArrayFillI {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int v=sc.nextInt();

        int[] n = new int[10];
        n[0]=v;
        for(int i=0; i<n.length; i++) {
            if(i>=1) {
                n[i] = n[i-1]*2;
            }
        }

        for(int i=0; i<n.length; i++) {
            System.out.println("N["+i+"] = "+n[i]);
        }

        sc.close();
    }
}
```