

Tarefa 1.3

```
public boolean busca(char c, char[] v) {  
    int a, z, m;  
    a = 0;  
    z = v.length - 1;  
    boolean resultado=false;  
    1
```

```
    while (a <= z && resultado==false) { 3
```

```
        m = (a + z) / 2; 4
```

```
        if (v[m] == c) { 5
```

```
            resultado=true; 6
```

```
        }
```

```
    else
```

```
    {
```

```
        if (v[m] < c) { 7
```

```
            a = m + 1; 8
```

```
        }
```

```
    else{
```

```
        z = m - 1; 9
```

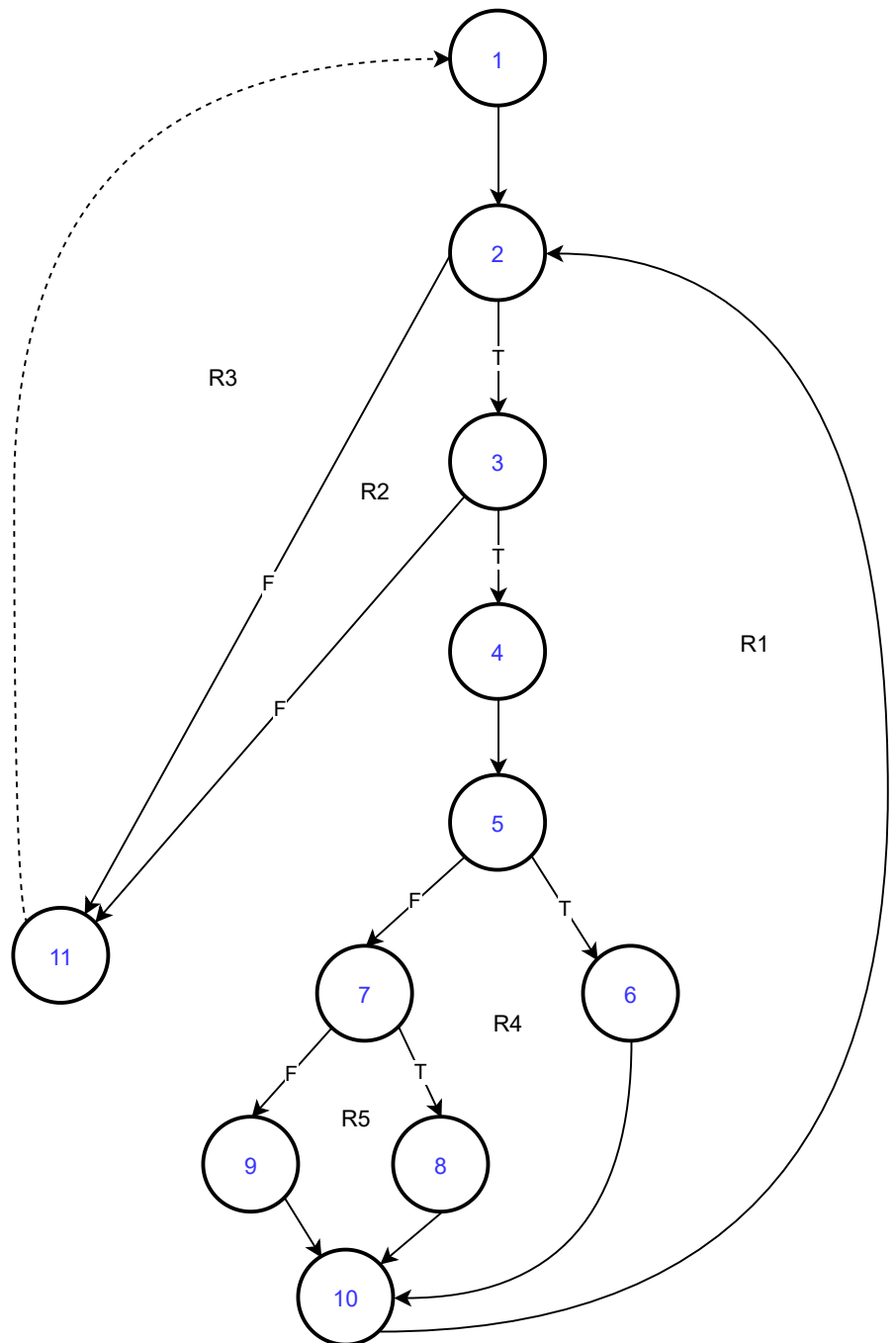
```
    }
```

```
    }
```

```
    } 10
```

```
    return resultado;
```

```
    11
```



Complexidade

$V(G)=a-n+2=14-11+2=5$

$V(G)=r=5$

$V(G)=c+1=4+1=5$

Caminos

1-2-11

1-2-3-11

1-2-3-4-5-6-10-2...

1-2-3-4-5-7-8-10-2...

1-2-3-4-5-7-9-10-2...