UNIVERSIDADE TECNOLÓGICA FEDERAL DO PARANÁ

DEPARTAMENTO ACADÊMICO DE INFORMÁTICA

TECNOLOGIA EM ANÁLISE E DESENVOLVIMENTO DE SISTEMAS

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Especificação de Requisitos:

Sistema DE LOCAÇÃO DE VEÍCULOS

TRABALHO DE ENGENHARIA DE SOFTWARE

PONTA GROSSA

2017

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Casos de testes:

sistema de locação de veículos

Trabalho apresentado como requisito parcial à obtenção da nota da disciplina de Engenharia de Software, do Curso de Tecnologia em Análise e Desenvolvimento de Sistemas da Universidade Tecnológica Federal do Paraná – Campus Ponta Grossa.

Prof. MSc. Vinícius Camargo Andrade.

PONTA GROSSA

2017

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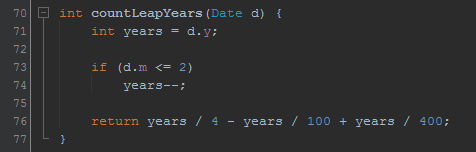
1. Testes de caixa-branca

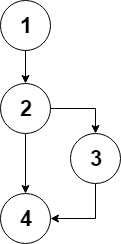
## **1.1 Função countLeapYears**

V(G): 4 – 4 + 2 = 2

Caminho 1: 1 – 2 – 3 – 4

Caminho 2: 1 – 2 – 4



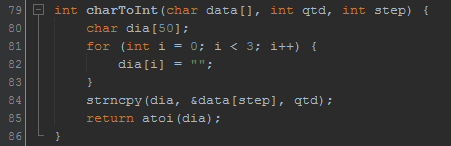


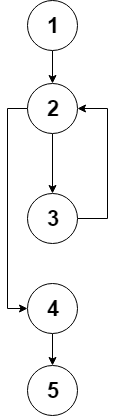
**1.2 FUNÇÃO CHARTOINT**

V(G): 5 – 5 + 2 = 2

Caminho 1: 1 – 2 – 3 – 2 – 4 – 5

Caminho 2: 1 – 2 – 4 – 5





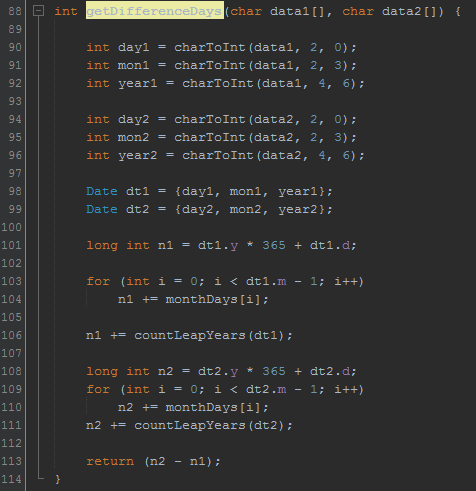
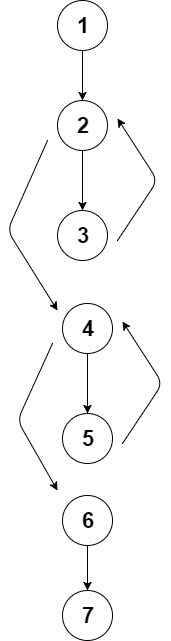
**1.3 Função getDifferenceDays**

V(G): 8 – 7 + 2 = 3

Caminho 1: 1 – 2 – 3 – 2 – 4 – 5 – 4 – 6 – 7

Caminho 2: 1 – 2 – 4 – 6 – 7

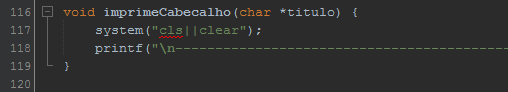
Caminho 3: 1 – 2 – 3 – 2 – 4 – 6 – 7

**1.4 Função imprimeCabecalho**

V(G): 1 – 2 + 2 = 1

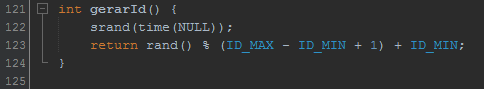
Caminho 1: 1 – 2

 C:\Users\HMT-03\AppData\Local\Microsoft\Windows\INetCache\Content.Word\4.png

**1.5 Função gerarId**

V(G) 1 – 2 + 2 = 1

Caminho 1: 1 – 2

 C:\Users\HMT-03\AppData\Local\Microsoft\Windows\INetCache\Content.Word\5.png

**1.6 Função listarClientes**

V(G): 16 – 13 + 2 = 5

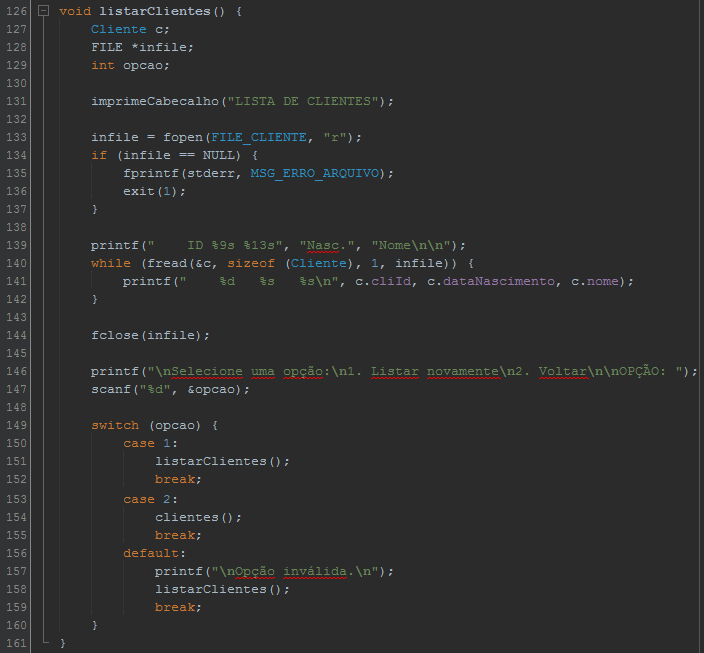
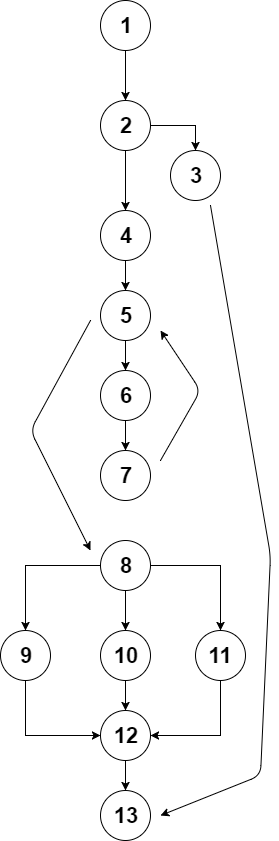
Caminho 1: 1 – 2 – 4 – 5 – 8 – 9 – 12 – 13

Caminho 2: 1 – 2 – 4 – 5 – 8 – 10 – 12 – 13

Caminho 3: 1 – 2 – 4 – 5 – 8 – 11 – 12 – 13

Caminho 4: 1 – 2 – 4 – 5 – 6 – 7 – 5 ...

Caminho 5: 1 – 2 – 3 – 13

**1.7 Função cadastrarCliente**

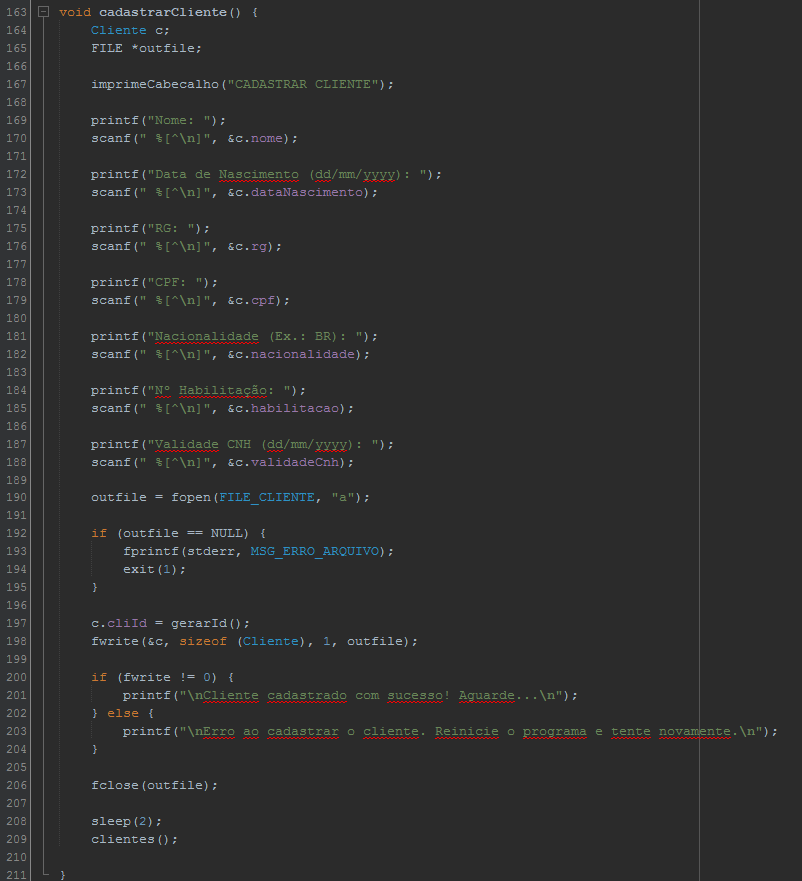
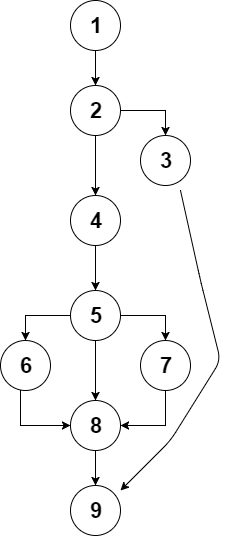
V(G): 11 – 9 – 2 = 4

Caminho 1: 1 – 2 – 4 – 5 – 6 – 8 – 9

Caminho 2: 1 – 2 – 4 – 5 – 8 – 9

Caminho 3: 1 – 2 – 4 – 5 – 7 – 8 – 9

Caminho 4: 1 – 2 – 3 – 9

**1.8 Função clientes**

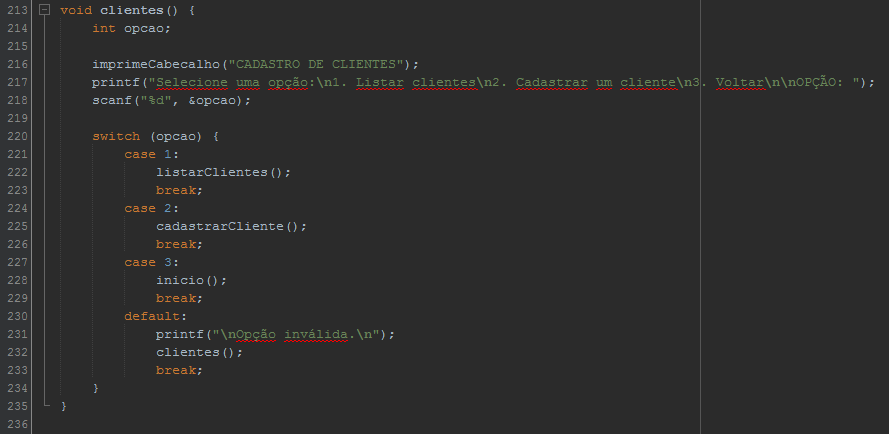
V(G): 10 – 8 + 2 = 4

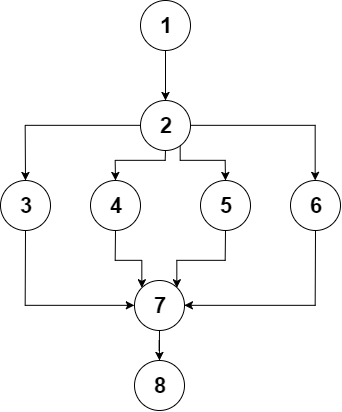
Caminho 1: 1 – 2 – 3 – 7 – 8

Caminho 2: 1 – 2 – 4 – 7 – 8

Caminho 3: 1 – 2 – 5 – 7 – 8

Caminho 4: 1 – 2 – 6 – 7 – 8





**1.9 Função listarVeiculos**

V(G): 16 – 13 + 2 = 5

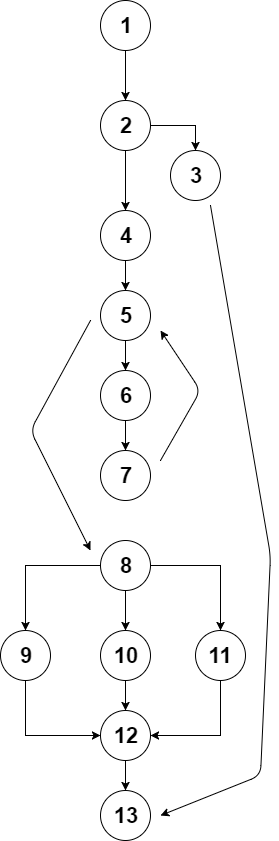
Caminho 1: 1 – 2 – 4 – 5 – 8 – 9 – 12 – 13

Caminho 2: 1 – 2 – 4 – 5 – 8 – 10 – 12 – 13

Caminho 3: 1 – 2 – 4 – 5 – 8 – 11 – 12 – 13

Caminho 4: 1 – 2 – 4 – 5 – 6 – 7 – 5 ...

Caminho 5: 1 – 2 – 3 – 13

**1.10 Função cadastrarVeiculo**

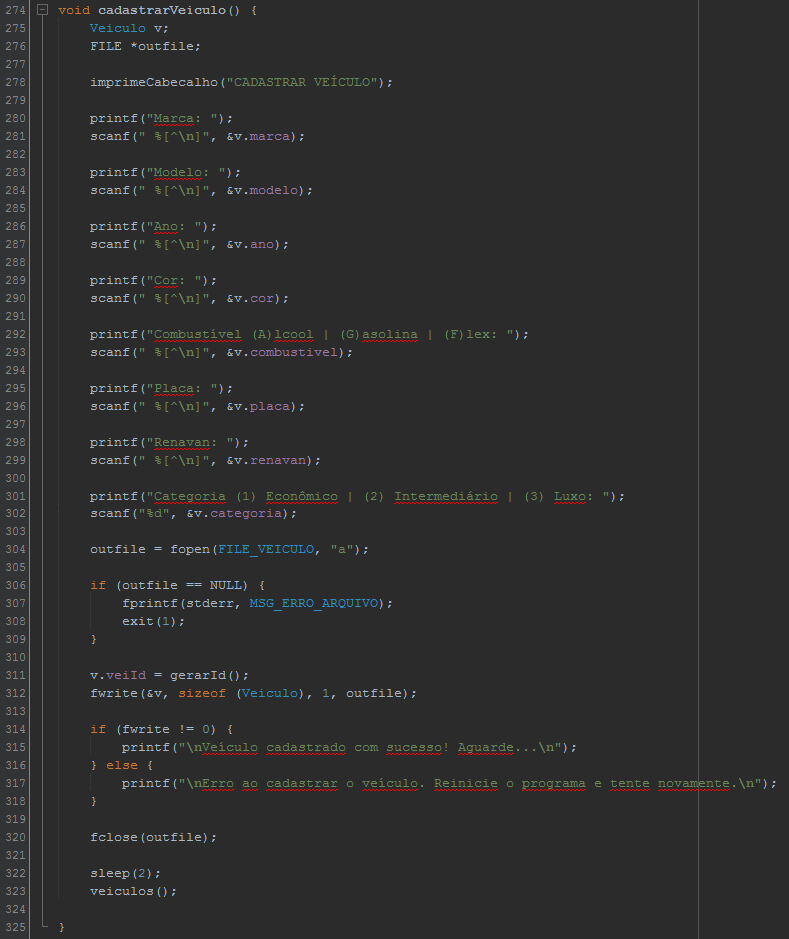
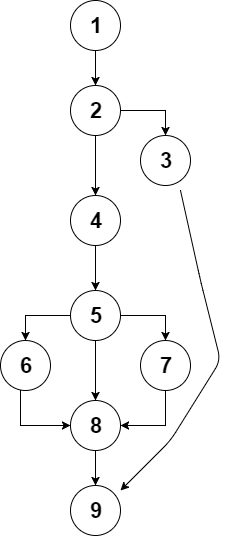
V(G): 11 – 9 + 2 = 4

Caminho 1: 1 – 2 – 4 – 5 – 6 – 8 – 9

Caminho 2: 1 – 2 – 4 – 5 – 8 – 9

Caminho 3: 1 – 2 – 4 – 5 – 7 – 8 – 9

Caminho 4: 1 – 2 – 3 – 9

**1.11 Função veículos**

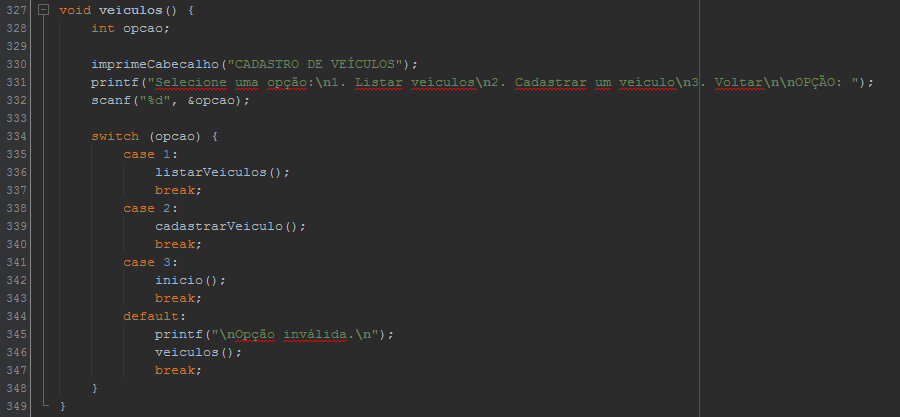
V(G): 10 – 8 + 2 = 4

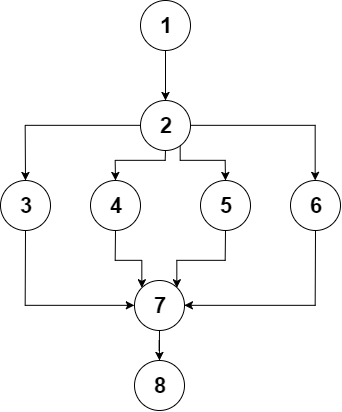
Caminho 1: 1 – 2 – 3 – 7 – 8

Caminho 2: 1 – 2 – 4 – 7 – 8

Caminho 3: 1 – 2 – 5 – 7 – 8

Caminho 4: 1 – 2 – 6 – 7 – 8





**1.12 Função procurarCliente**

V(G): 19 – 15 + 2 = 6

Caminho 1: 1 – 2 – 3 – 5 – 6 – 7 – 8 – 9 – 10 – 6 – 11 – 12 – 13 – 14 – 2 - 15

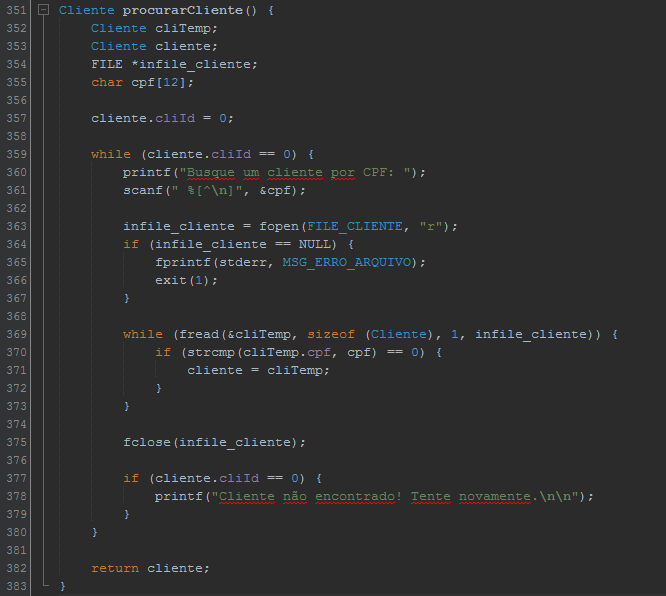
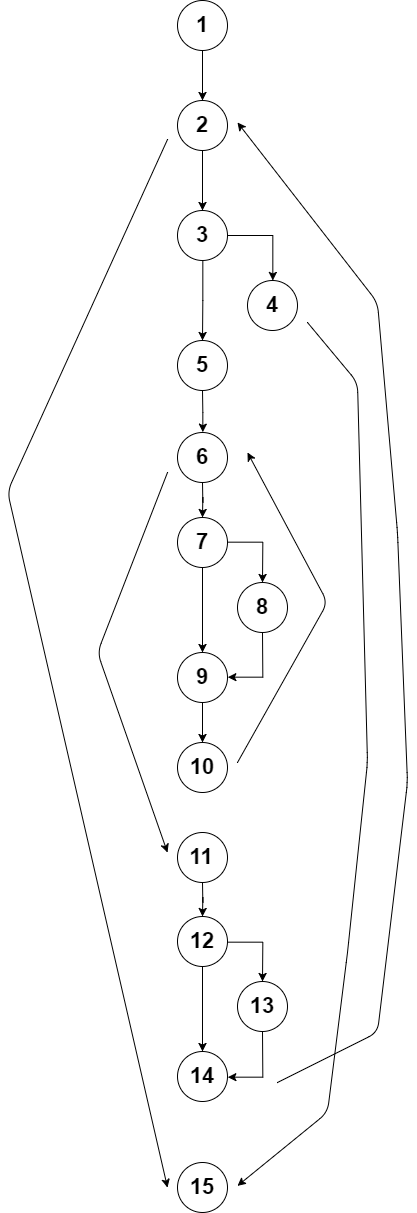
Caminho 2: 1 – 2 – 3 – 5 – 6 – 7 – 9 – 10 – 6 – 11 – 12 – 13 – 14 – 2 – 15

Caminho 3: 1 – 2 – 3 – 5 – 6 – 7 – 8 – 9 – 10...

Caminho 4: 1 – 2 – 3 – 5 – 6 – 11 – 12 – 13 – 14

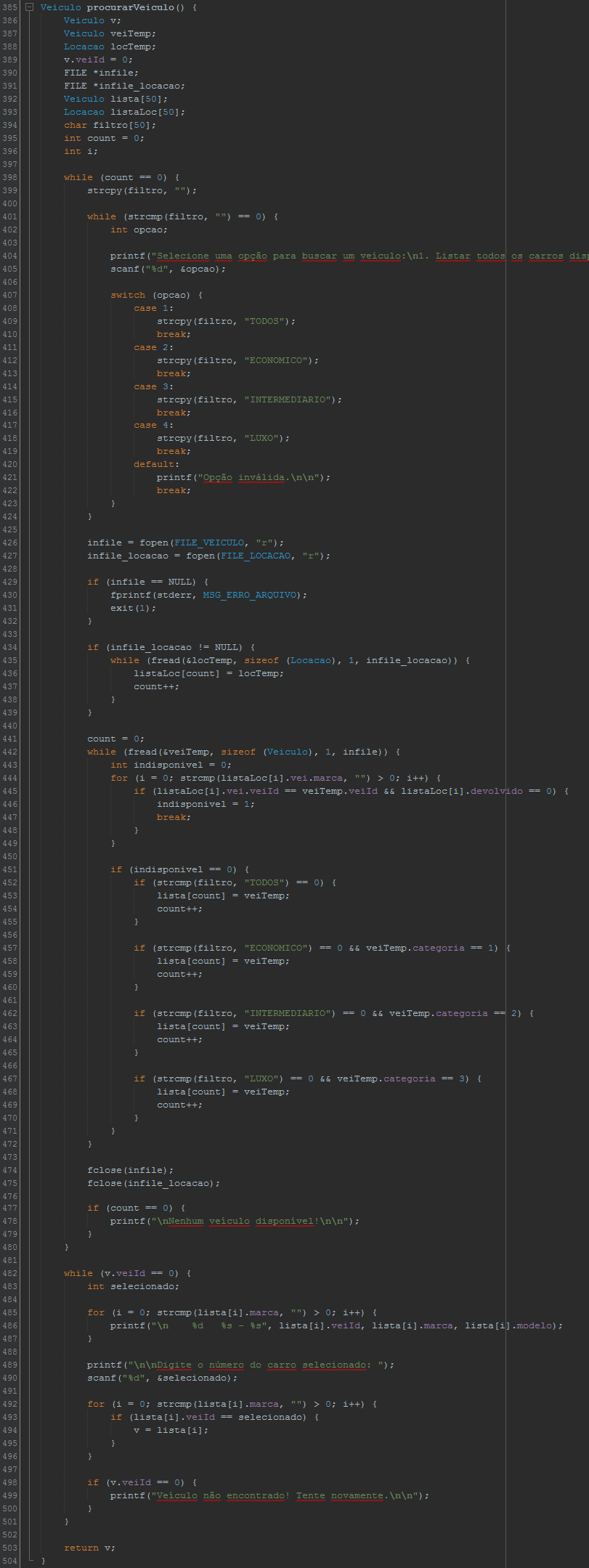
Caminho 5: 1 – 2 – 3 – 4 – 15

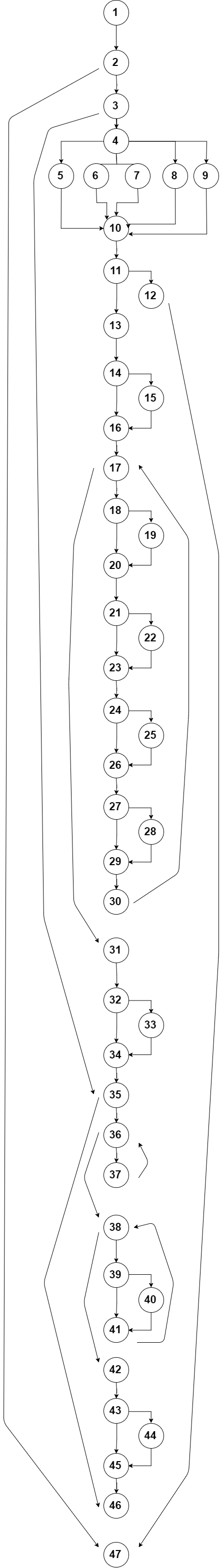
Caminho 6: 1 – 2 – 15

**1.13 Função procurarVeiculo**

V(G): 64 - 47 + 2 = 19





**1.14 Função locar**

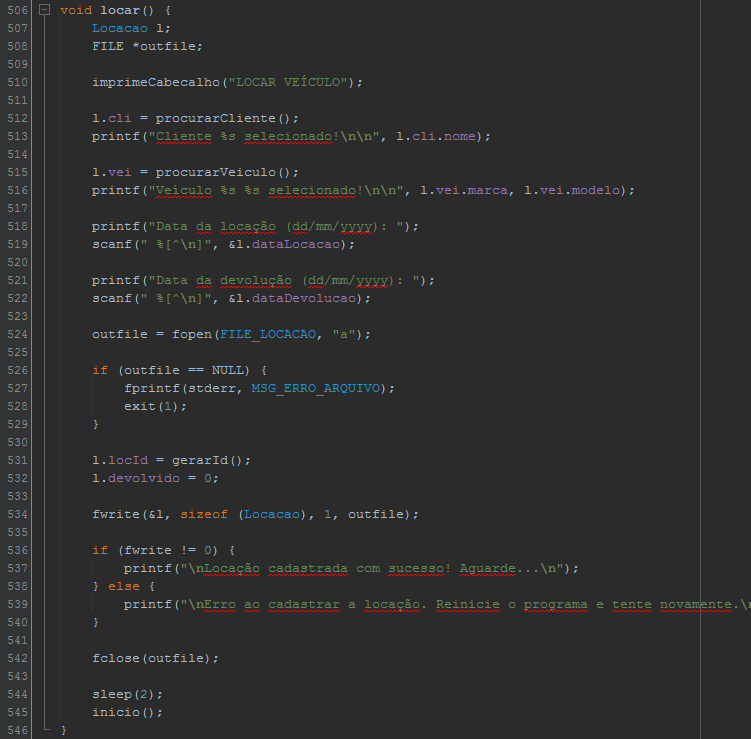
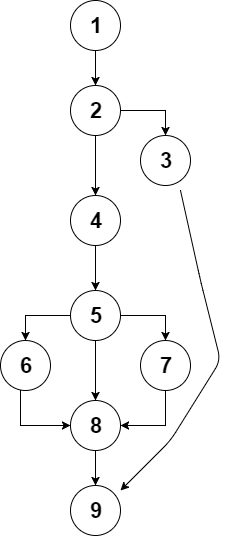
V(G): 11 – 9 – 2 = 4

Caminho 1: 1 – 2 – 4 – 5 – 6 – 8 – 9

Caminho 2: 1 – 2 – 4 – 5 – 8 – 9

Caminho 3: 1 – 2 – 4 – 5 – 7 – 8 – 9

Caminho 4: 1 – 2 – 3 – 9

**1.15 Função procurarLocacao**

V(G): 19 – 15 + 2 = 6

Caminho 1: 1 – 2 – 3 – 5 – 6 – 7 – 8 – 9 – 10 – 6 – 11 – 12 – 13 – 14 – 2 - 15

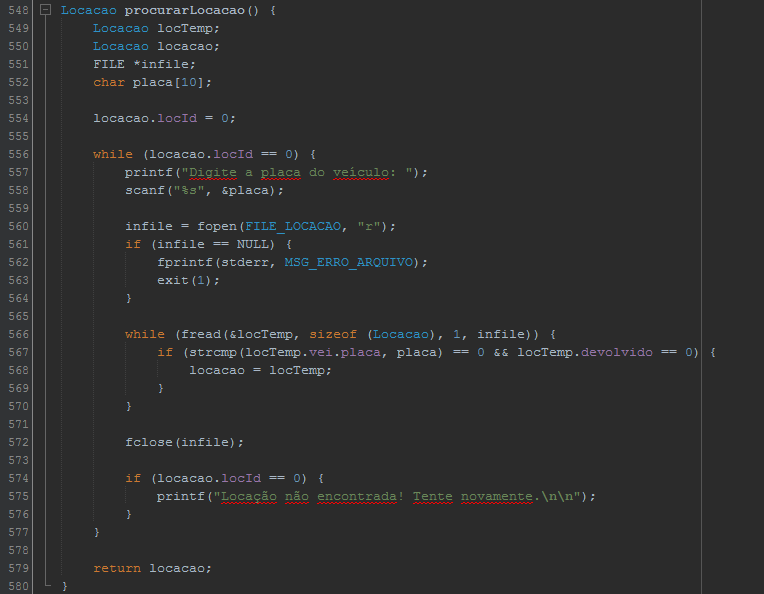
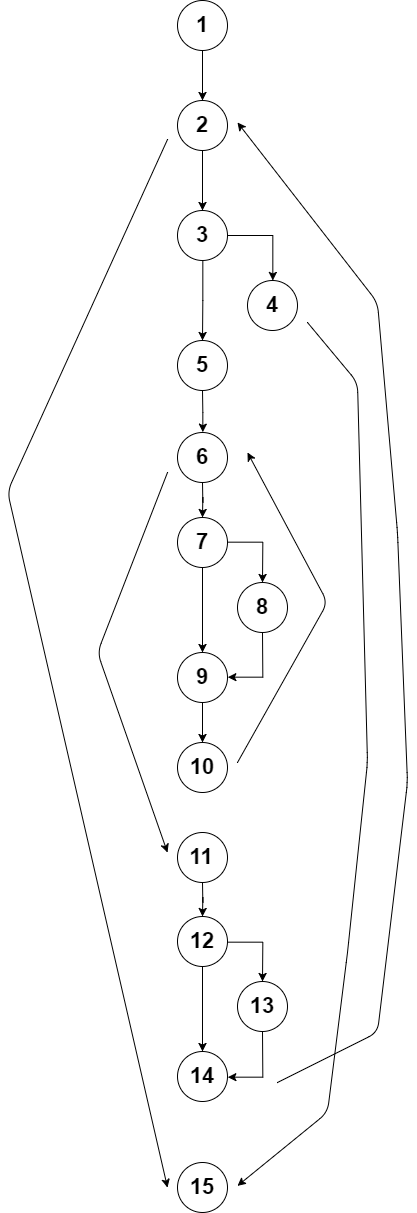
Caminho 2: 1 – 2 – 3 – 5 – 6 – 7 – 9 – 10 – 6 – 11 – 12 – 13 – 14 – 2 – 15

Caminho 3: 1 – 2 – 3 – 5 – 6 – 7 – 8 – 9 – 10...

Caminho 4: 1 – 2 – 3 – 5 – 6 – 11 – 12 – 13 – 14

Caminho 5: 1 – 2 – 3 – 4 – 15

Caminho 6: 1 – 2 – 15

**1.16 Função getValorVeiculo**

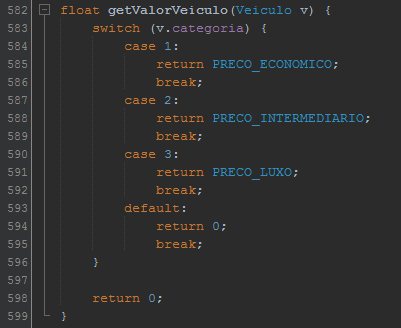
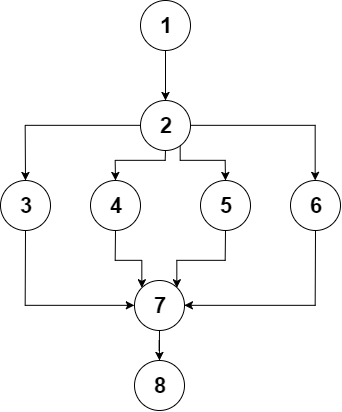
V(G): 10 – 8 + 2 = 4

Caminho 1: 1 – 2 – 3 – 7 – 8

Caminho 2: 1 – 2 – 4 – 7 – 8

Caminho 3: 1 – 2 – 5 – 7 – 8

Caminho 4: 1 – 2 – 6 – 7 – 8

**1.17 Função inicio**

V(G): 14 – 10 + 2 = 6

Caminho 1: 1 – 2 – 3 – 9 – 10

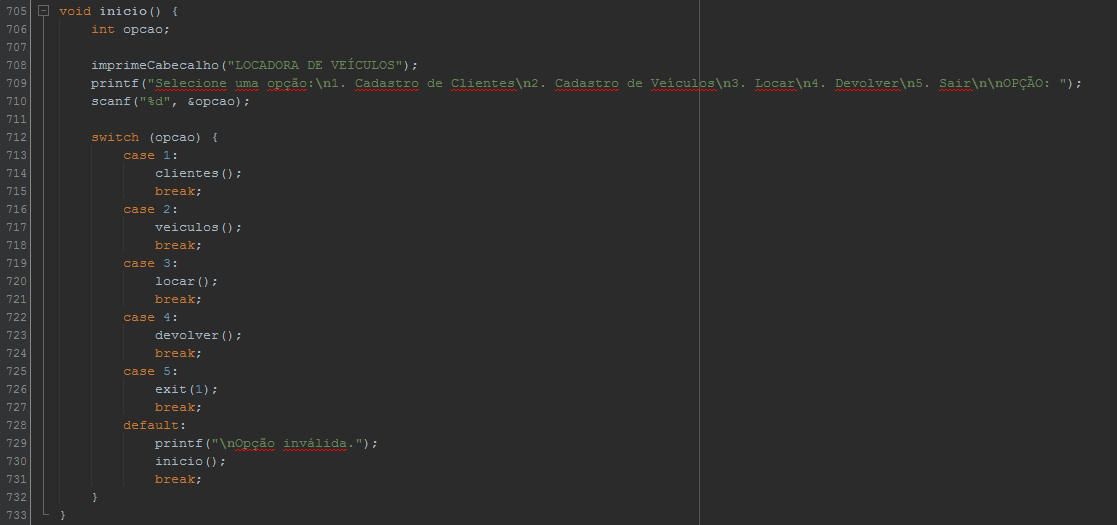
Caminho 2: 1 – 2 – 4 – 9 – 10

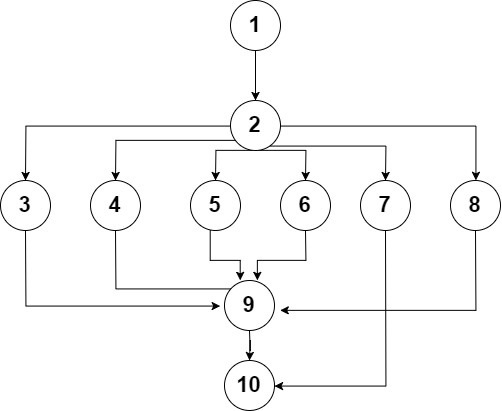
Caminho 3: 1 – 2 – 5 – 9 – 10

Caminho 4: 1 – 2 – 6 – 9 – 10

Caminho 5: 1 – 2 – 7 – 10

Caminho 6: 1 – 2 – 8 – 9 – 10





**1.18 Função devolver**

V(G): 30 – 22 + 2 = 10

Caminho 1: 1 - 2 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 15 - 18 - 14 - 19 - 20 - 6 - 21 - 22

Caminho 2: 1 - 2 - 3 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 15 - 18 - 14 - 19 - 20 - 6 - 21 - 22

Caminho 3: 1 - 2 - 4 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 15 - 18 - 14 - 19 - 20 - 6 - 21 - 22

Caminho 4: 1 - 2 - 5 - 6 - 7 - 9 - 20 - 6 - 21 - 22

Caminho 5: 1 - 2 - 5 - 6 - 7 - 10 - 20 - 6 - 21 - 22

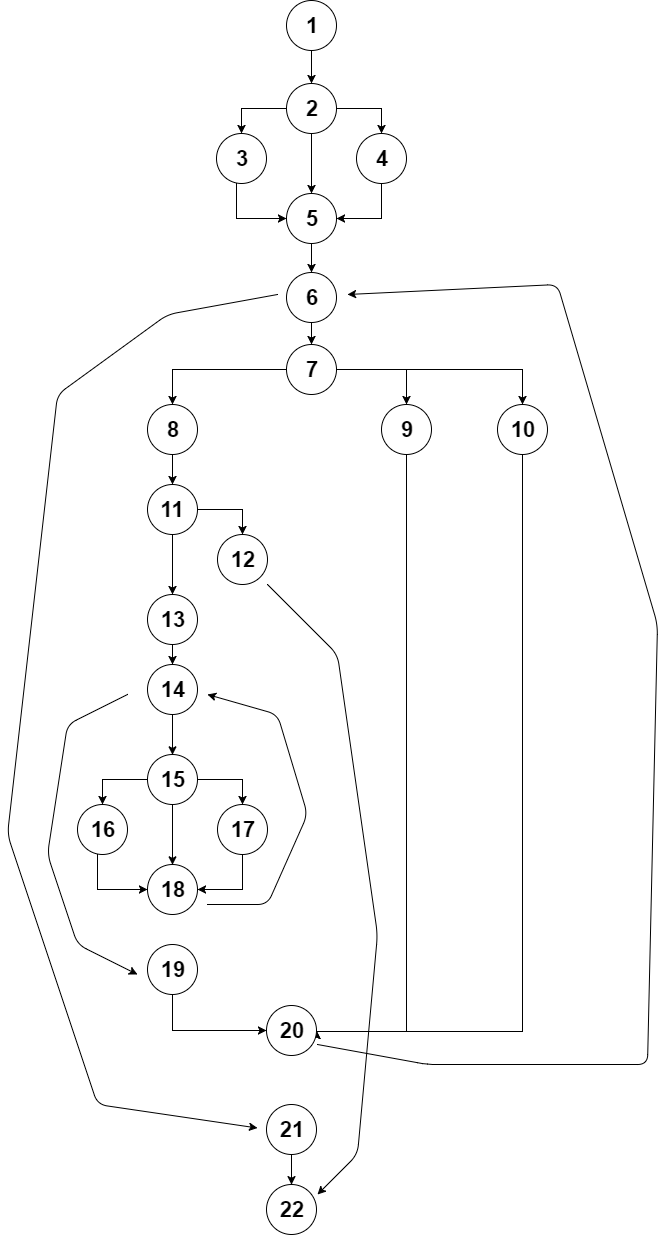
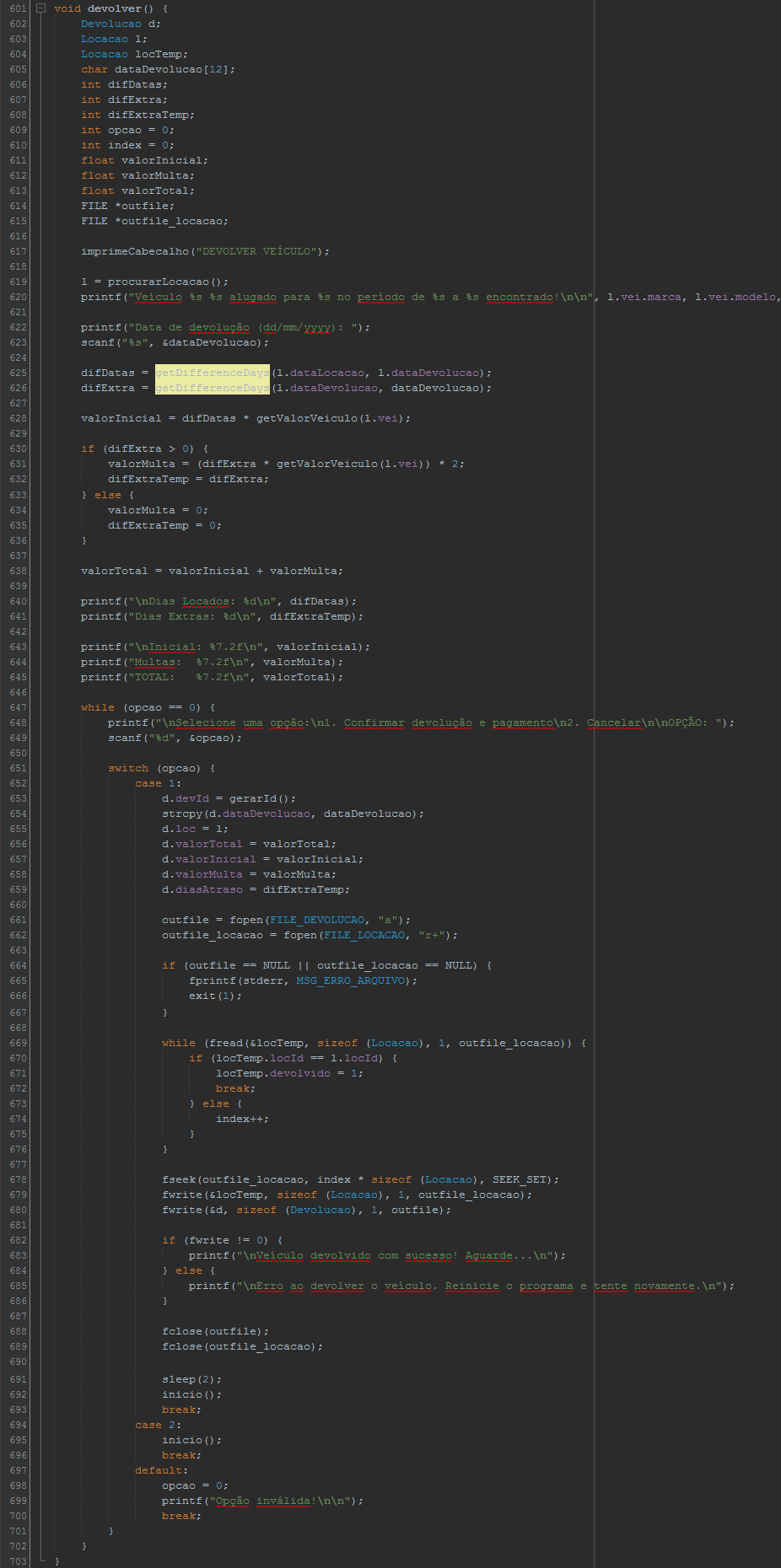
Caminho 6: 1 - 2 - 5 - 6 - 7 - 8 - 11 - 12 - 22

Caminho 7: 1 - 2 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 15 - 16 - 18 - 14 - 19 - 20 - 6 - 21 - 22

Caminho 8: 1 - 2 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 15 - 17 - 18 - 14 - 19 - 20 - 6 - 21 - 22

Caminho 9: 1 - 2 - 5 - 6 - 21 - 22

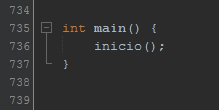
Caminho 10: 1 - 2 - 5 - 6 - 7 - 8 - 11 - 13 - 14 - 19 - 20 - 9 - 21 - 22



**1.19 Função main**

V(G): 1 – 2 + 2 = 1

Caminho 1: 1 – 2

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