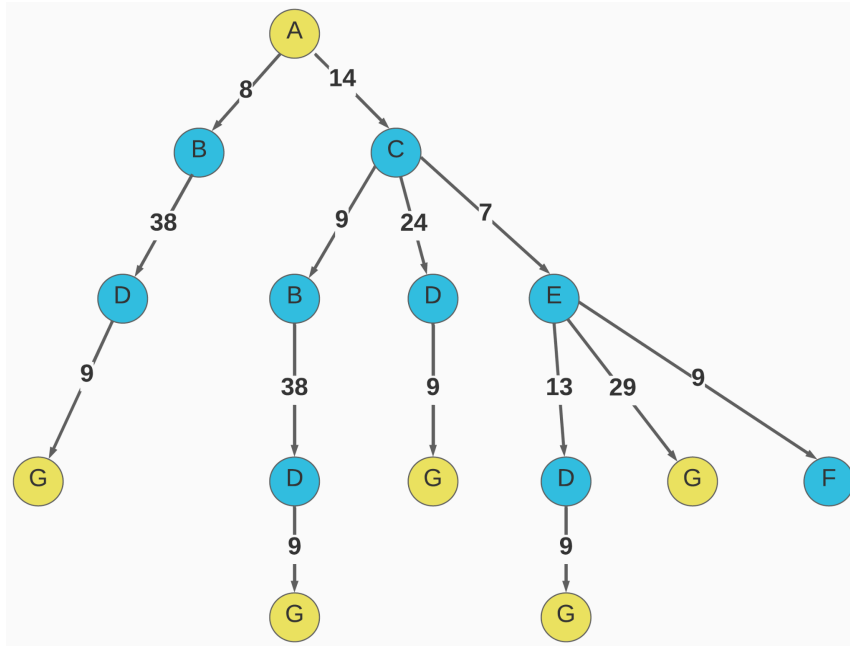


Atividade 01

Aluno: Felipe Archanjo da Cunha Mendes

Exercício 01:

(a):



(b):

Caminho ABDG: $8 + 38 + 9 = 55$

Caminho ACBDG: $14 + 9 + 38 + 9 = 70$

Caminho ACDG: $14 + 24 + 9 = 47$

Caminho ACEDG: $14 + 7 + 13 + 9 = 43$

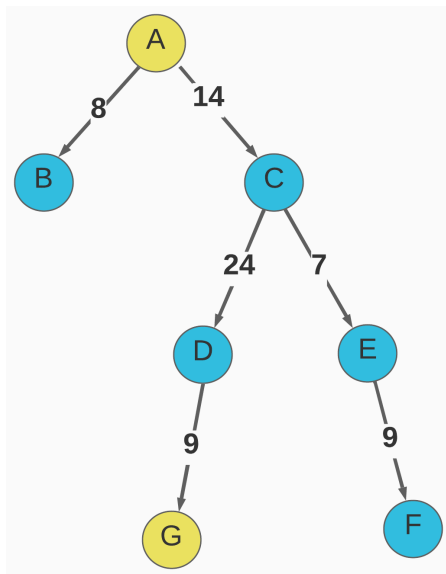
Caminho ACEG: $14 + 7 + 29 = 50$

Caminho ACEF: Não alcançou!

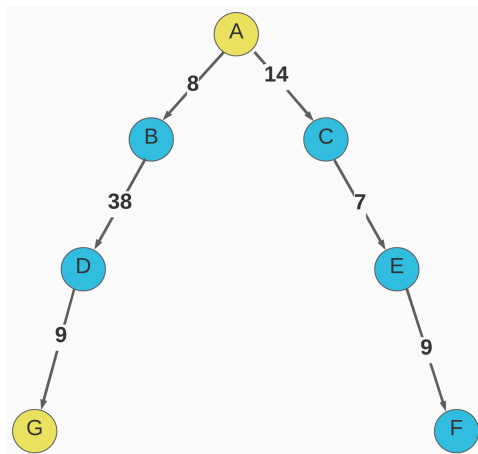
$A \rightarrow C \rightarrow E \rightarrow D \rightarrow G$ é o caminho ótimo.

(c):

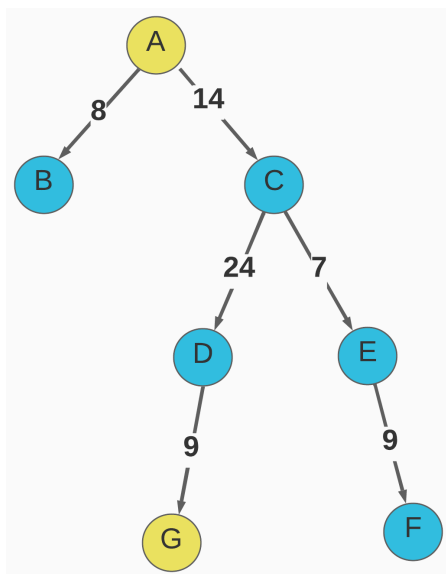
Busca em Largura:



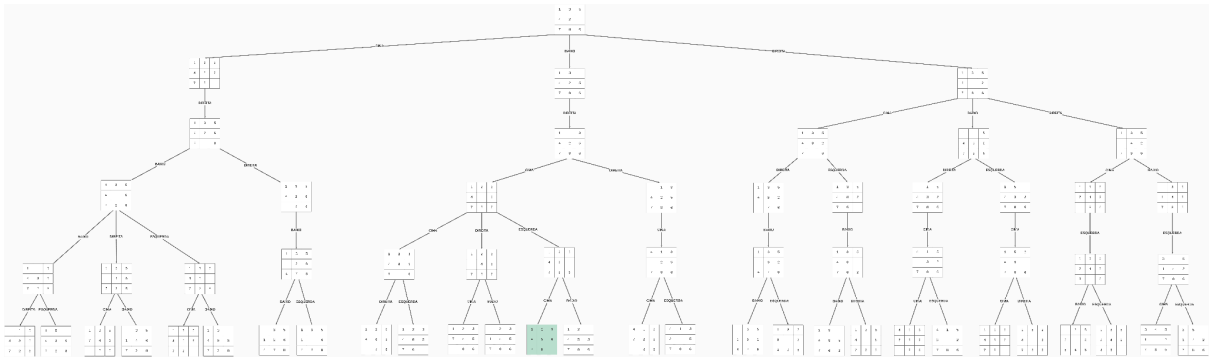
Busca em profundidade:



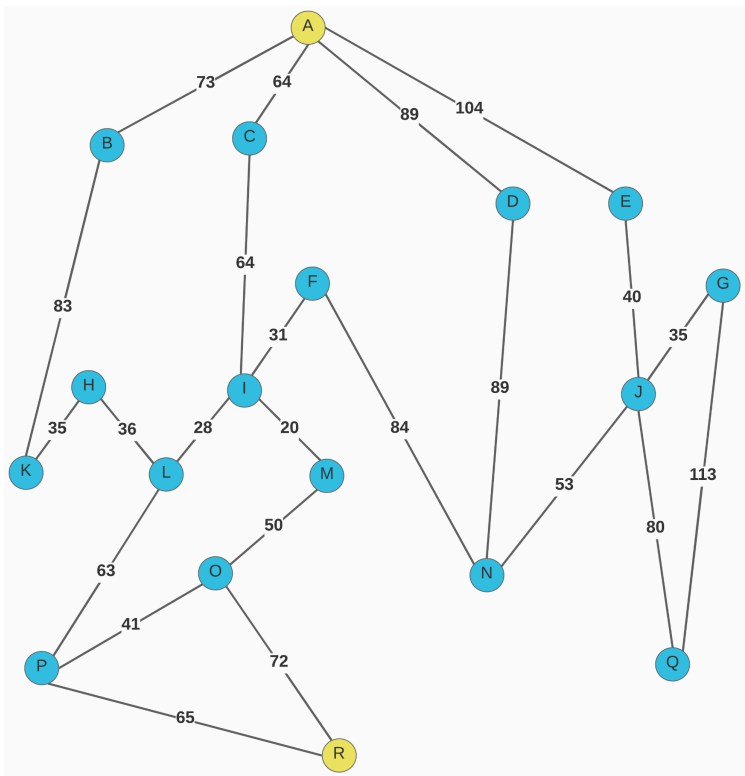
Busca de Custo Uniforme:

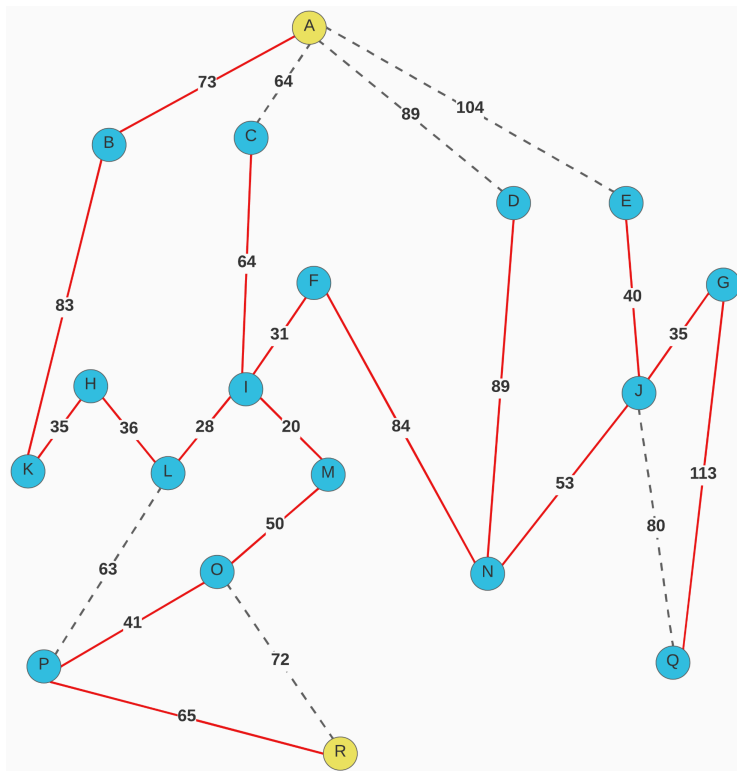


Exercício 02:



Exercício 03:





Rota: $A \rightarrow B \rightarrow K \rightarrow H \rightarrow L \rightarrow I \rightarrow M \rightarrow O \rightarrow P \rightarrow R$