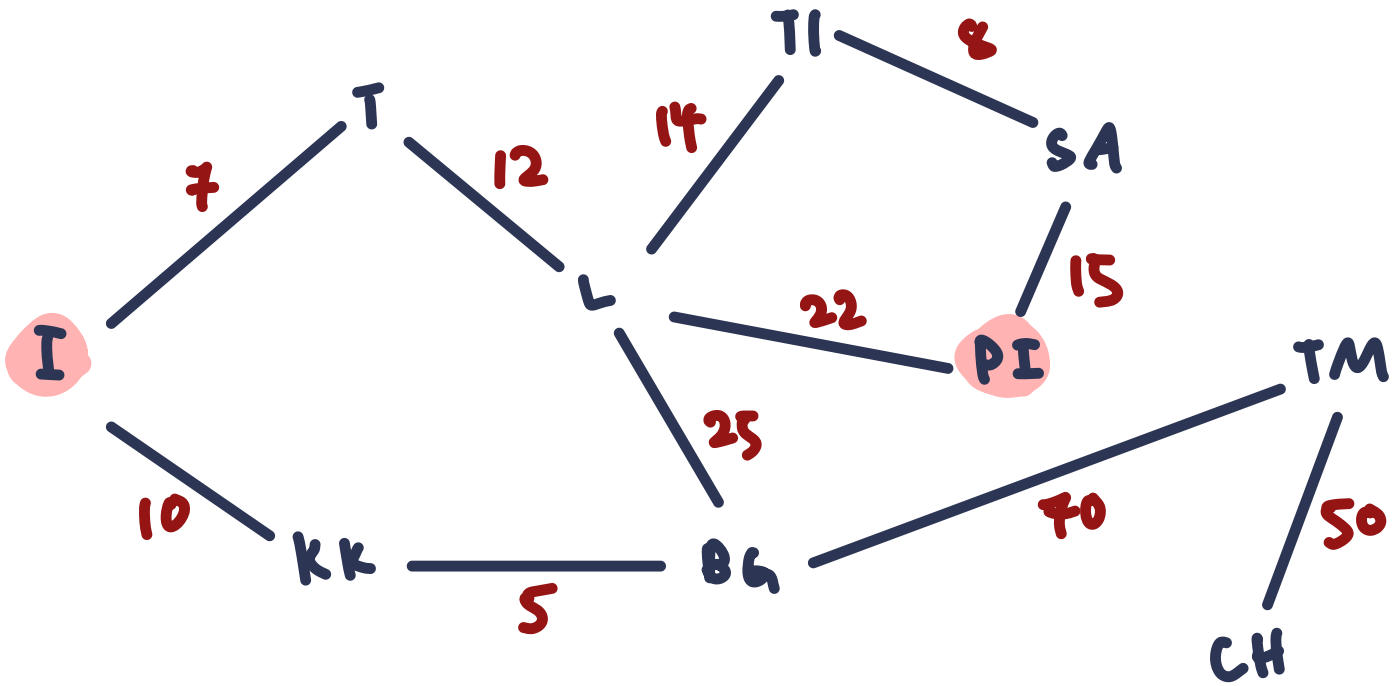
LAB 1

Name : Izzatul Husna binti Abdul Manab

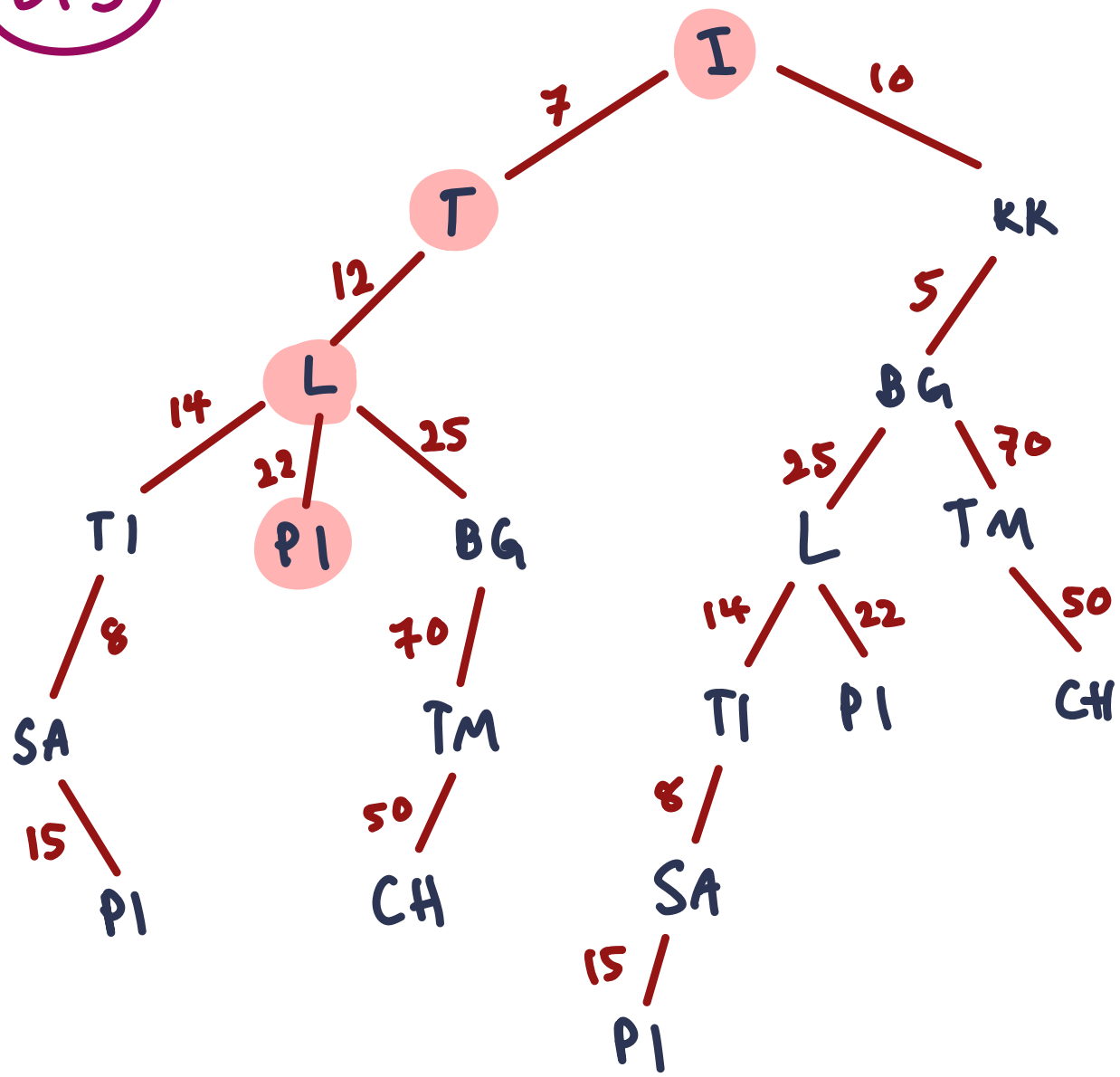
Student ID : 2201083

I : Ipoh
T : Temerloh
KK : Kuala Kangsar
L : Lumut
BG : Batu Gajah

TI : Teluk Intan
SA : Sitiawan
PI : Pangkor Island
TM : Tanjung Malim
CH : Cameron Highlands



BFS

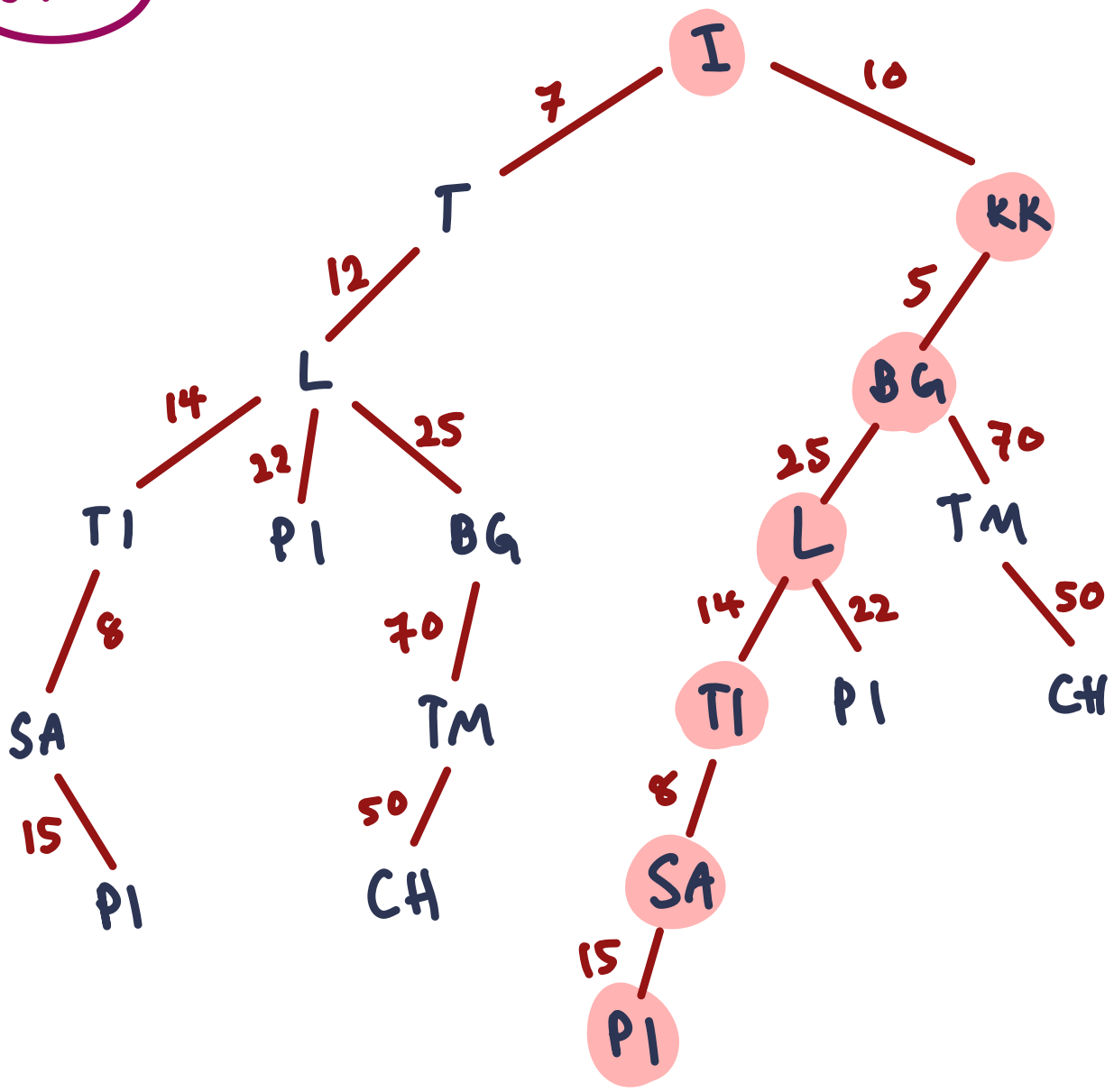


start : Ipoh

end : Pangkor Island

Final path : I → T → L → PI

DFS

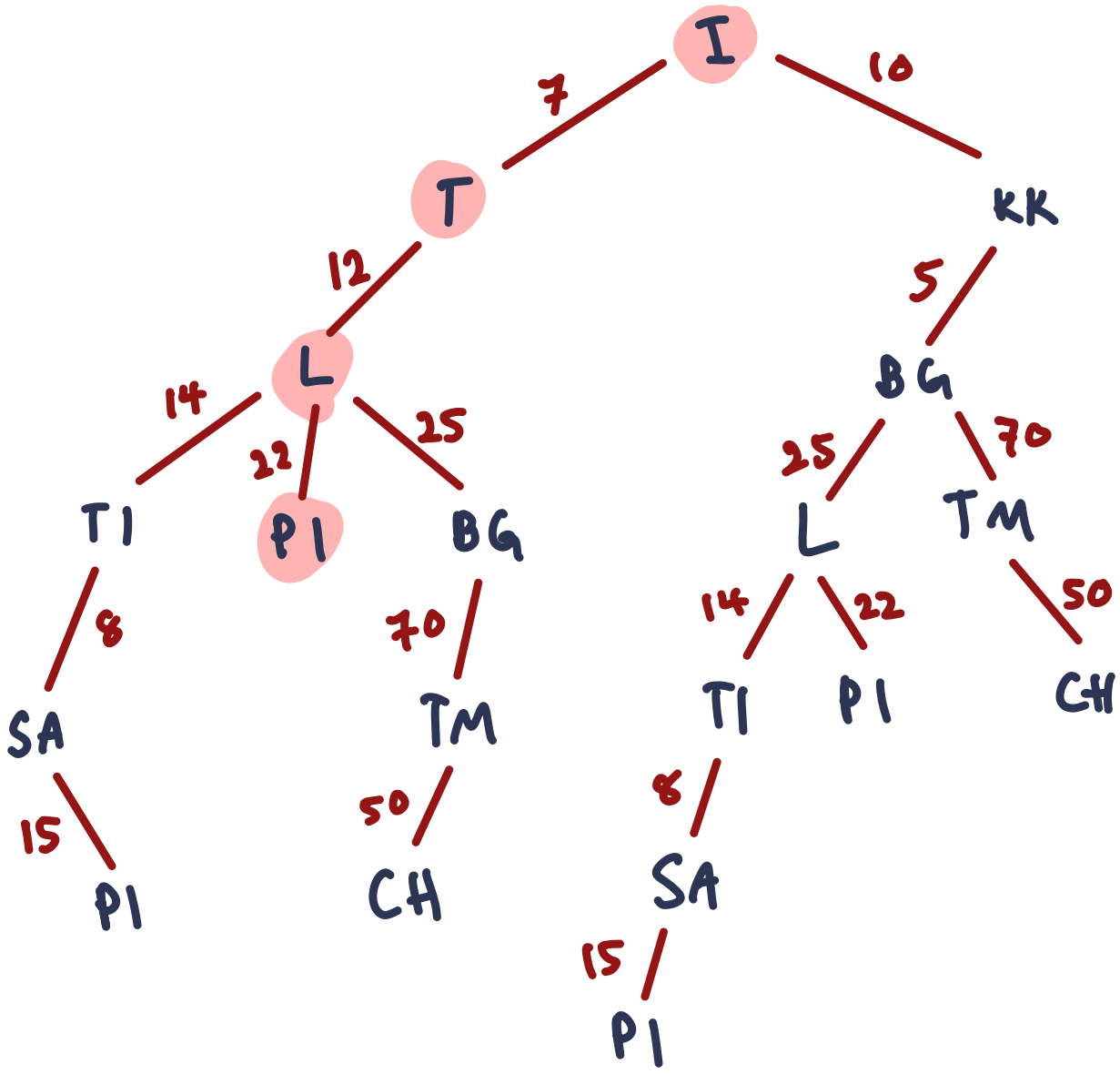


start : Ipoh

end : Pangkor Island

Final path : I → KK → BG → L → TI → SA → PI

UCS



start : Ipoh
end : Pangkor Island

final path : I → T → L → PI
7 + 12 + 22 = 41

Python coding.

https://colab.research.google.com/drive/1181o1il_5W4IgVTO40MdFlCIiZsgZuI8?usp=sharing