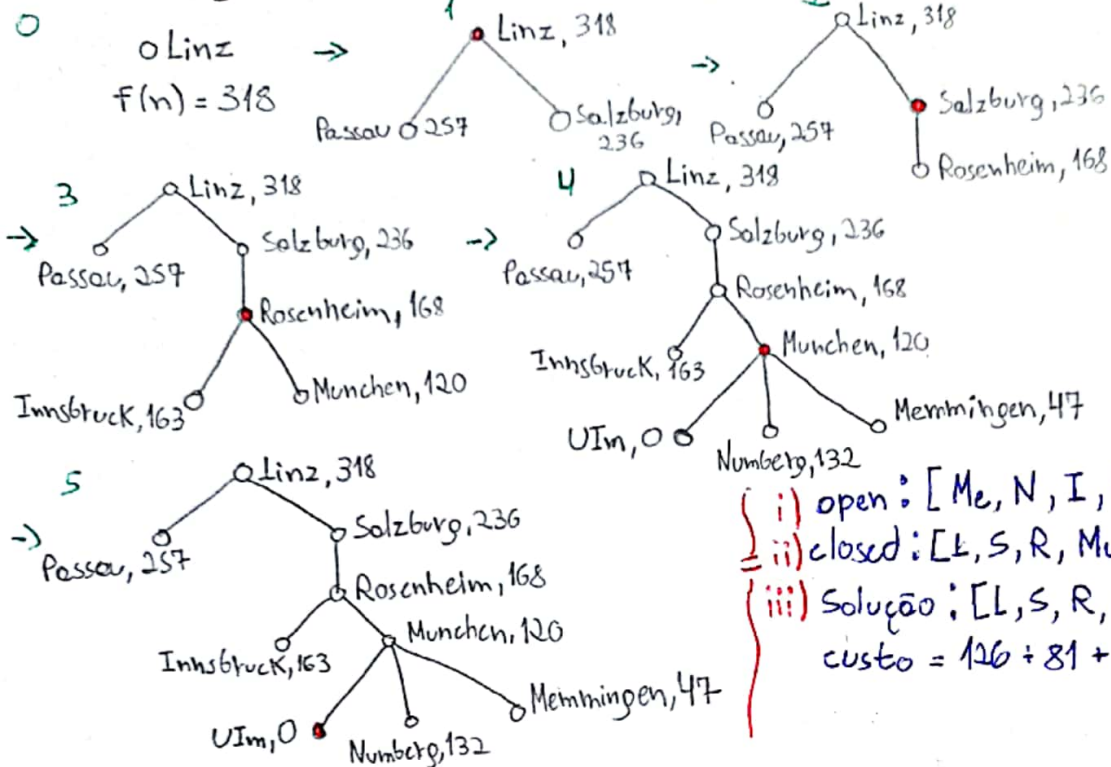


# IA - Exercícios de Busca Heurística

1) a) Usando Greedy Best First (ou BME gulosa). Ir de Linz a Ulm

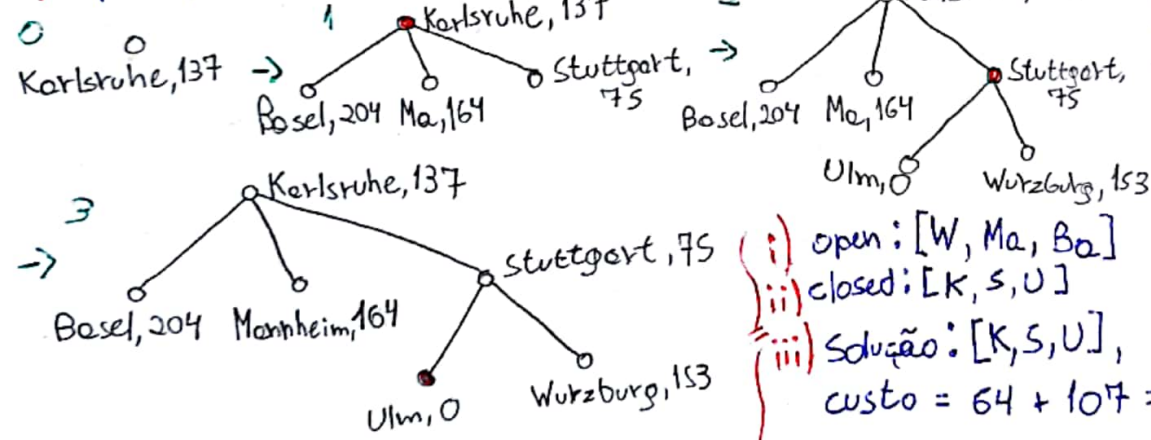
↳ BME gulosa :  $f(n) = h(n)$



t	Open	Closed
0	L	—
1	S, P	L
2	R, P	L, S
3	Mu, I, P	L, S, R
4	U, Me, N, I, P	L, S, R, Mu
5	Me, N, I, P	L, S, R, Mu, U

i) open : [Me, N, I, P]  
 ii) closed : [L, S, R, Mu, U]  
 iii) Solução : [L, S, R, Mu, U],  
 custo = 126 + 81 + 59 + 123 = 389 Km

b) Repita, indo de Karlsruhe



t	Open	Closed
0	K	—
1	S, Ma, Ba	K
2	U, W, Ma, Ba	K, S
3	W, Me, Ba	K, S, U

i) open : [W, Ma, Ba]  
 ii) closed : [K, S, U]  
 iii) Solução : [K, S, U],  
 custo = 64 + 107 = 171 Km

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