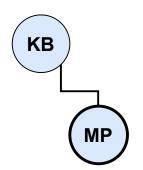
Questão 2

Inserir Elementos KB, MP, BT, SA, SJ, KA, BN, OJ, OH, CF e IF

Inserir Elemento KB

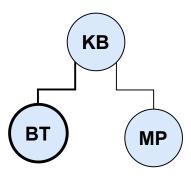


Inserir Elemento MP



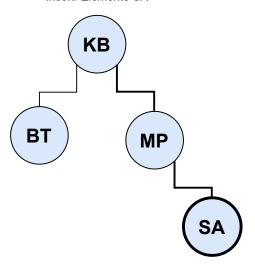
MP > KB Então o elemento é inserido à direita da raiz

Inserir Elemento BT

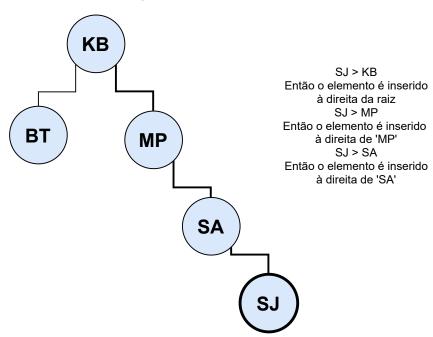


BT < KB Então o elemento é inserido à esquerda da raiz

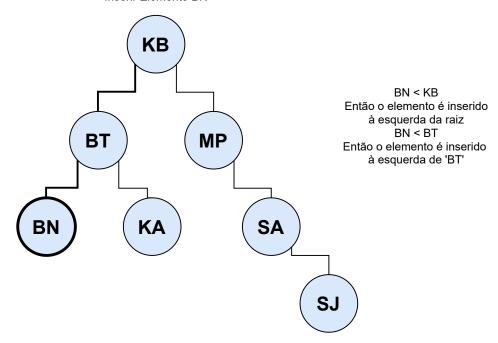
Inserir Elemento SA



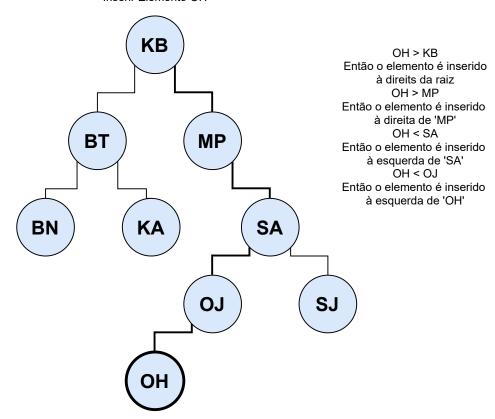
SA > KB
Então o elemento é inserido
à direita da raiz
SA > MP
Então o elemento é inserido
à direita de 'MP'

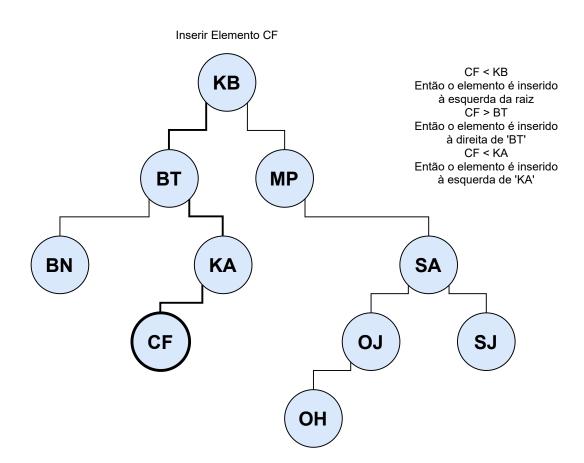


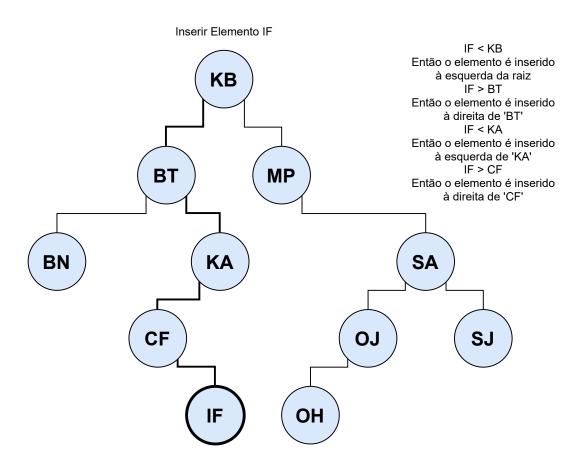
Inserir Elemento KA KA < KB Então o elemento é inserido à esquerda da raiz KA > BT Então o elemento é inserido à direita de 'BT'



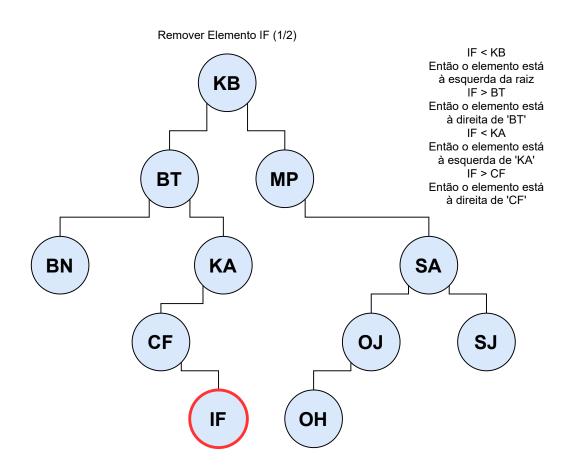
Inserir Elemento OJ **KB** OJ > KB Então o elemento é inserido à direits da raiz OJ > MP Então o elemento é inserido MP BT à direita de 'MP' OJ < SAEntão o elemento é inserido à esquerda de 'SA' BN SA SJ



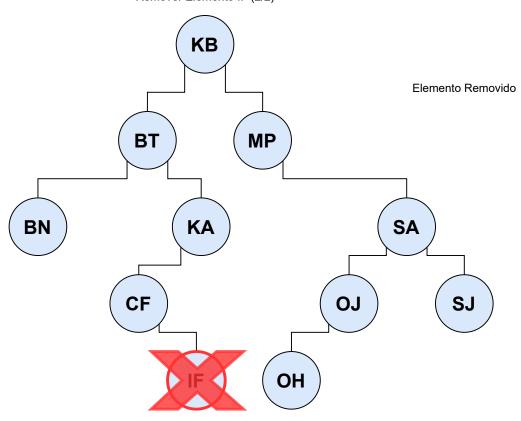




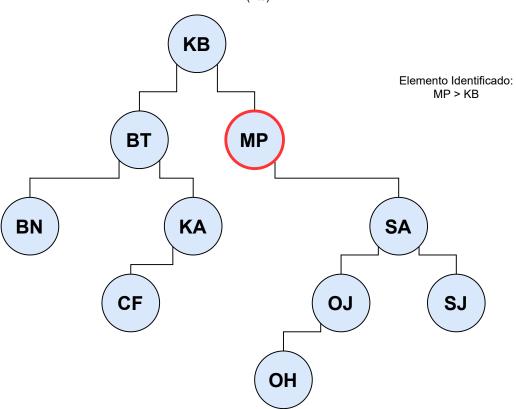
Remover Elementos IF, MP e KB

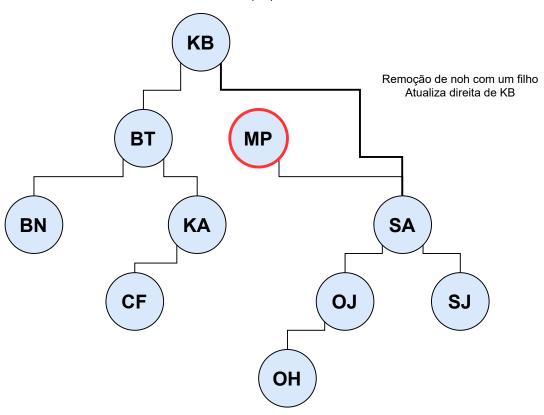


Remover Elemento IF (2/2)

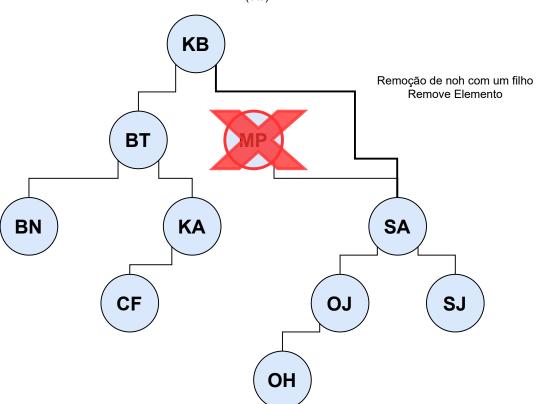


Remover Elemento MP (1\3)

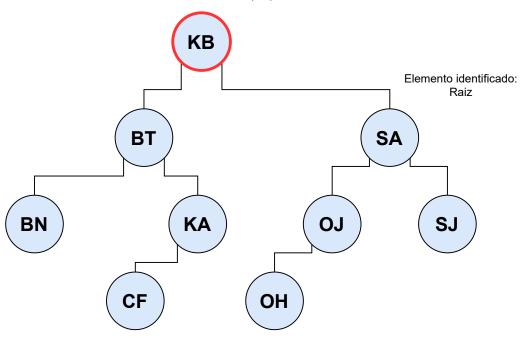




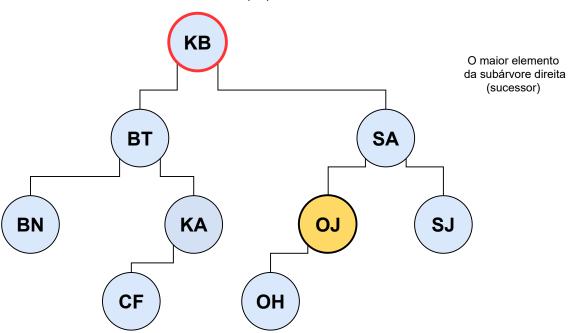
Remover Elemento MP (3\3)



Remover Elemento KB (1\3)

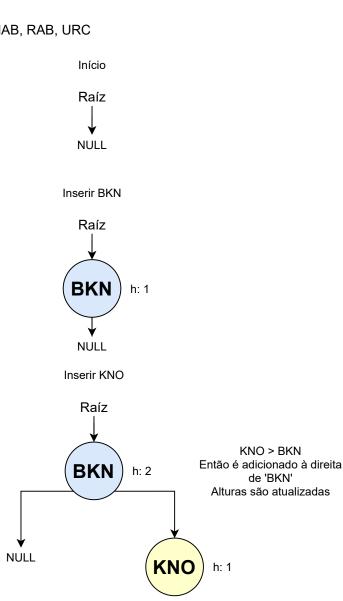


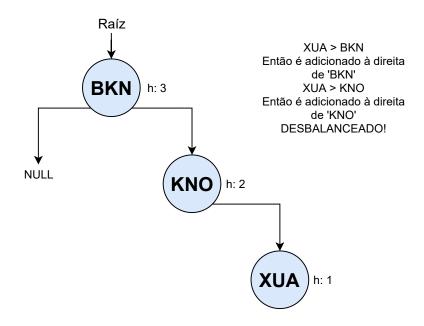
Remover Elemento KB (2\3)



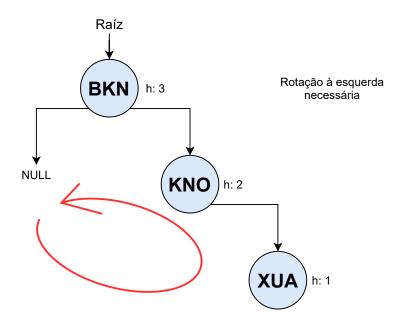
Questão 4

Inserir BKN, KNO, XUA, IOA, CNO, PDO, NAB, RAB, URC

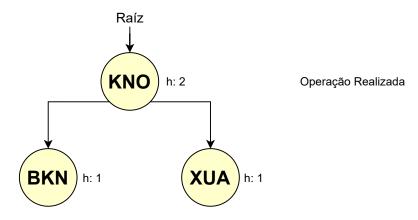


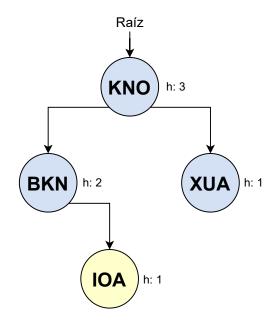


Inserir XUA (2/3)



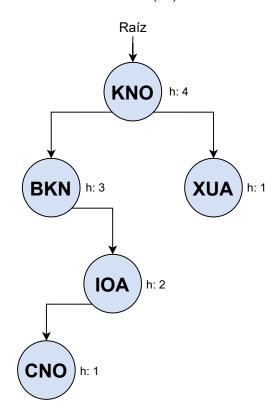
Inserir XUA (3/3)



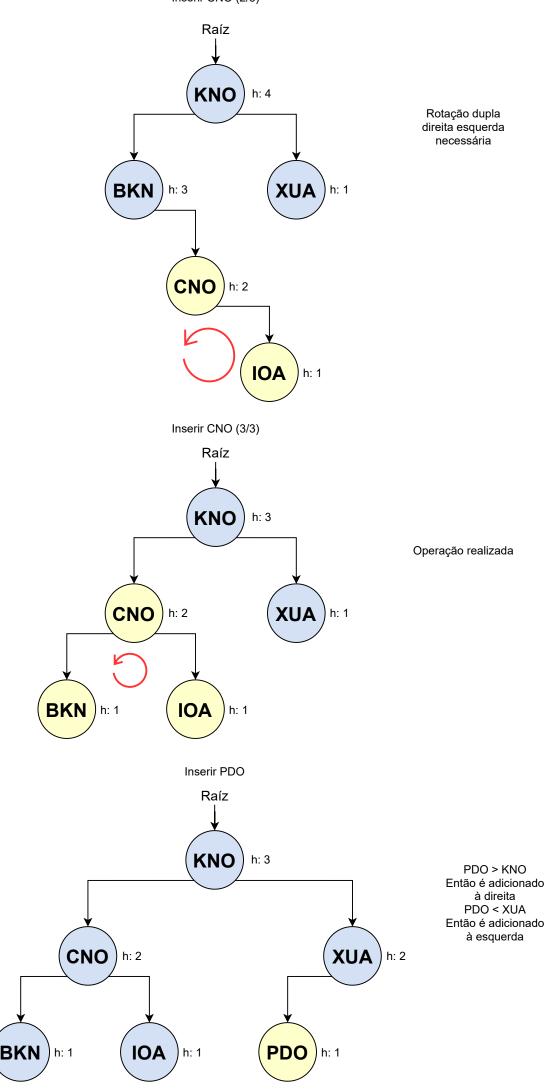


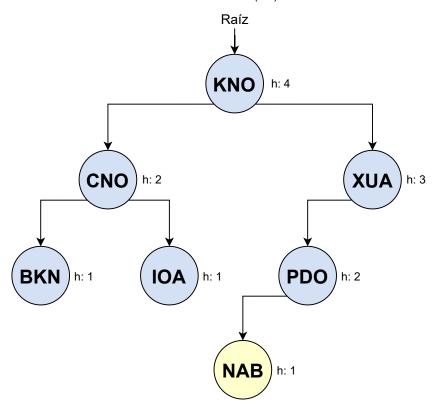
IOA < KNO Então é adicionado à esquerda de 'KNO' IOA > BKN Então é adicionado à direita de 'BKN'

Inserir CNO (1/3)



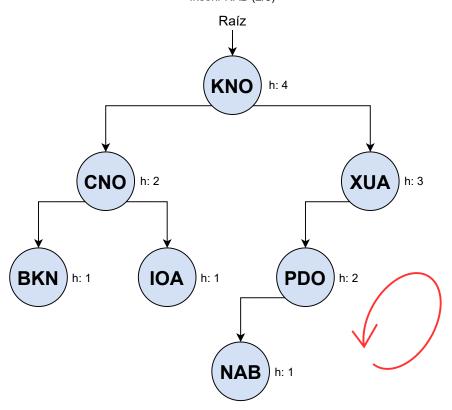
CNO < KNO
Então é adicionado
à esquerda de 'KNO'
CNO > BKN
Então é adicionado
à direita de 'BKN'
CNO < IOA
Então é adicionado
à esquerda de 'IOA'
DESBALANCEADO!



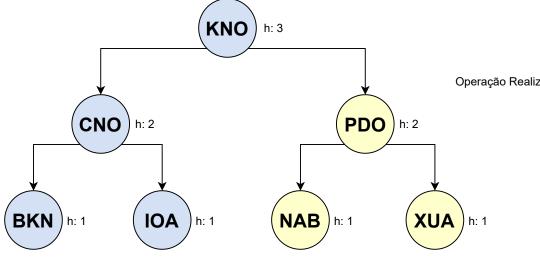


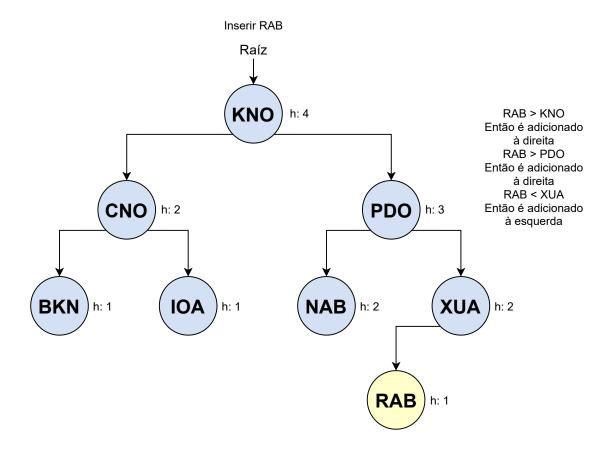
NAB > KNO
Então é adicionado
à direita
NAB < XUA
Então é adicionado
à esquerda
NAB < PDO
Então é adicionado
à esquerda
DESBALANCEADO!

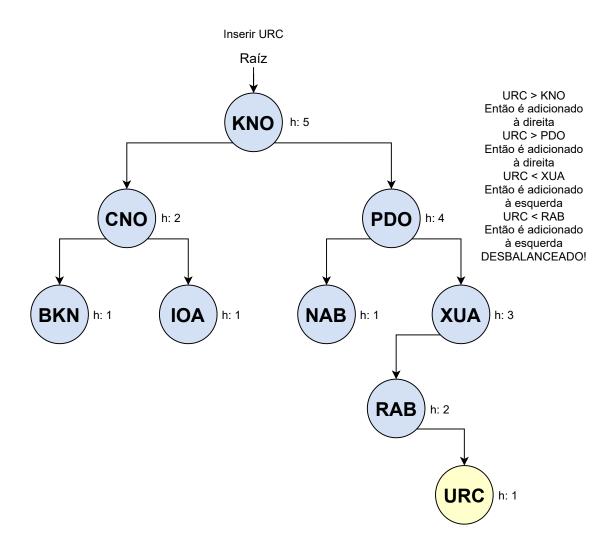
Inserir NAB (2/3)

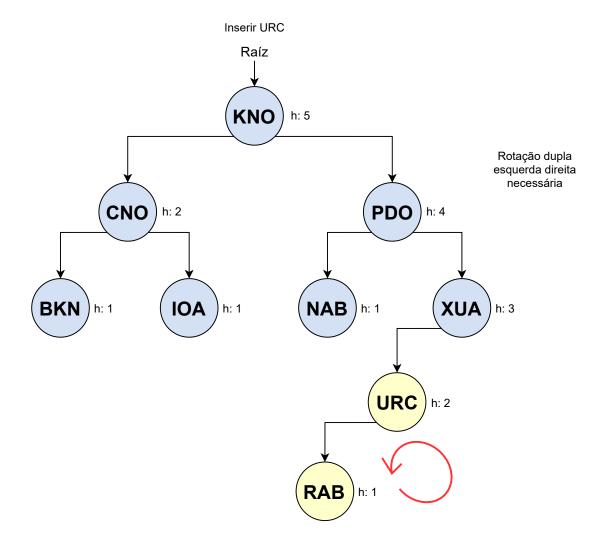


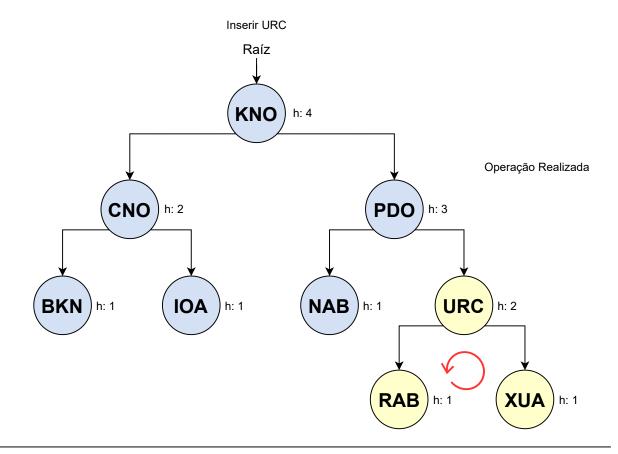
Rotação à direita necessária



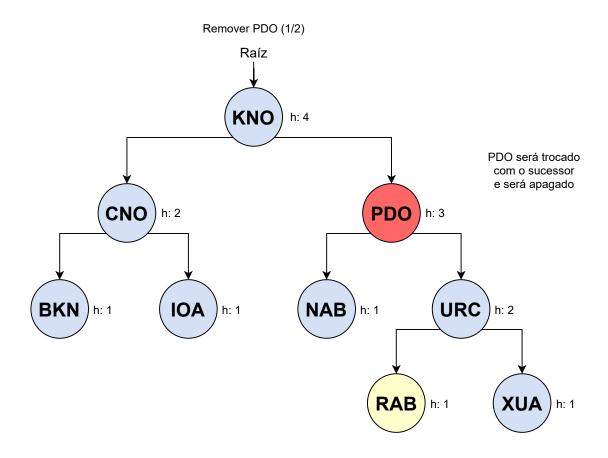


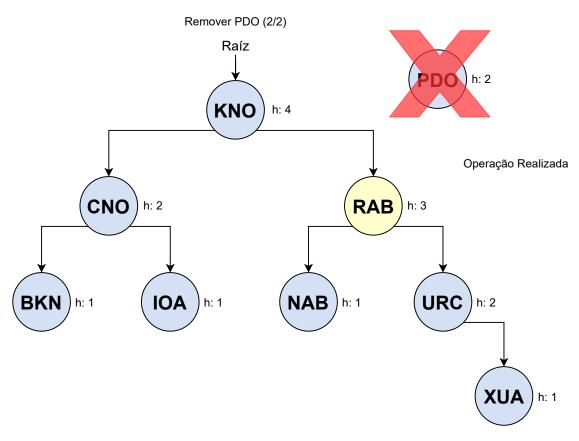


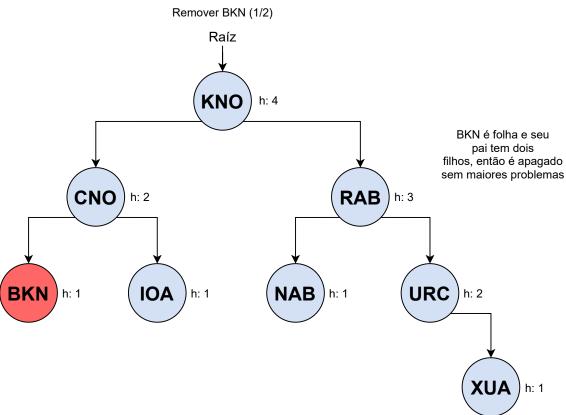


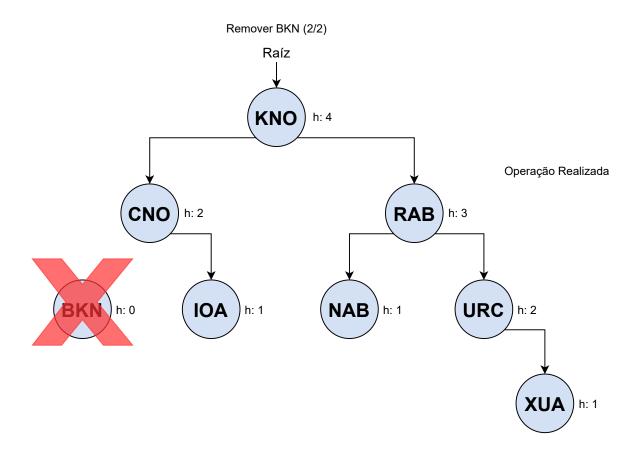


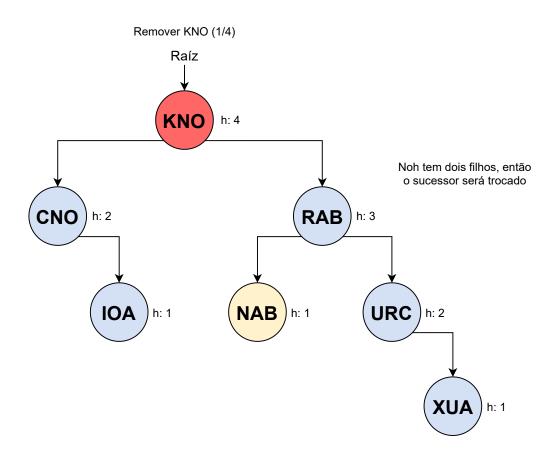
Remover PDO, BKN e KNO

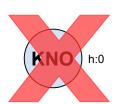


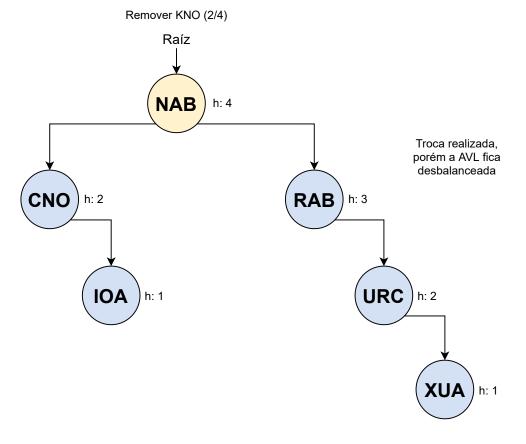


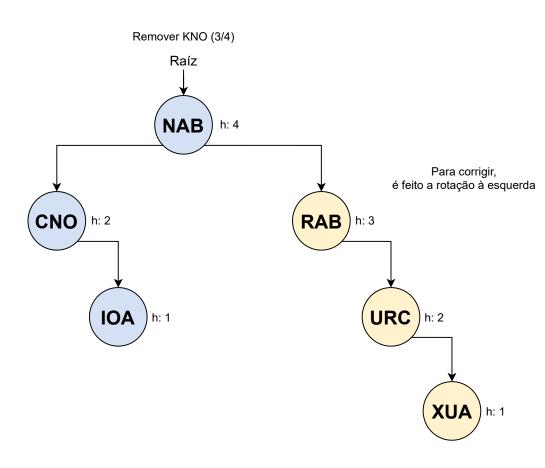












Remover KNO (4/4) Raíz NAB h: 3 AVL Finalizada URC h: 2 IOA h: 1 RAB h: 1 XUA h: 1

Questão 7

Inserir KC, MP, KA, RB, RK, BT, BN, PI, PG, CF e JF

