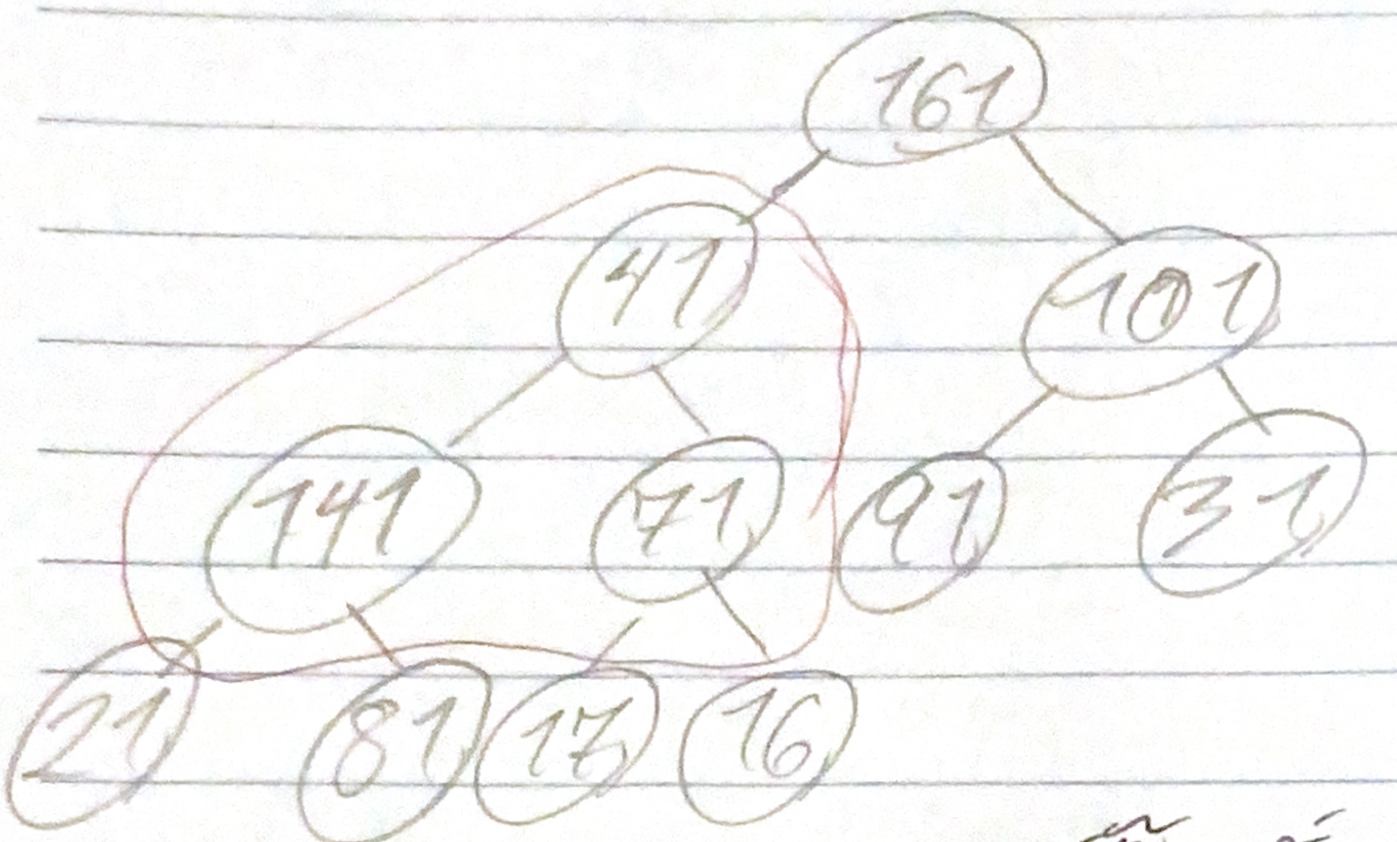
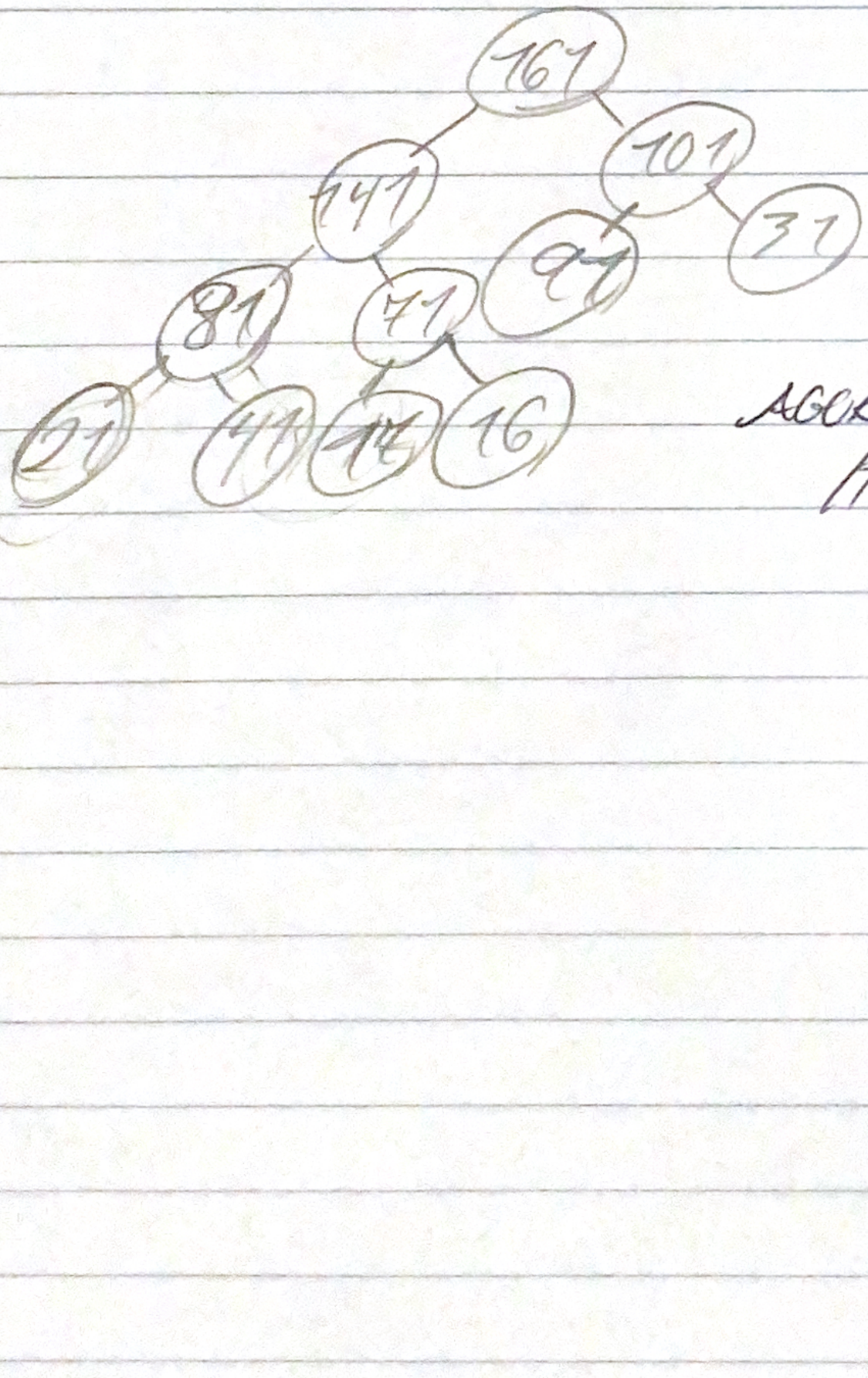
Questão 22



NÃO É UM HEAP

POIS EXISTEM FILHOS COM PRIORIDADE MAIOR QUE DO PAI

~~141 E 91~~, 141 E 91

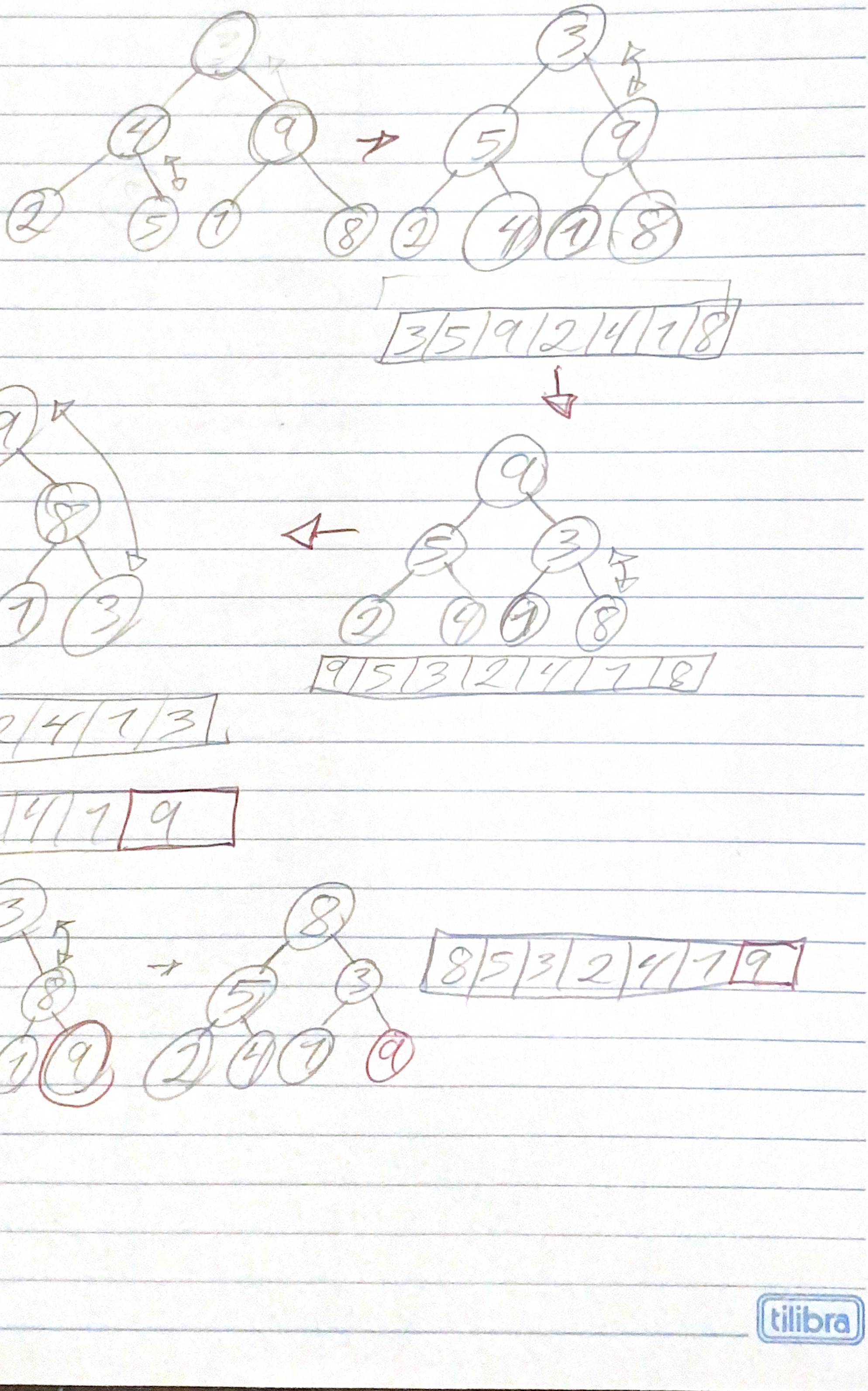


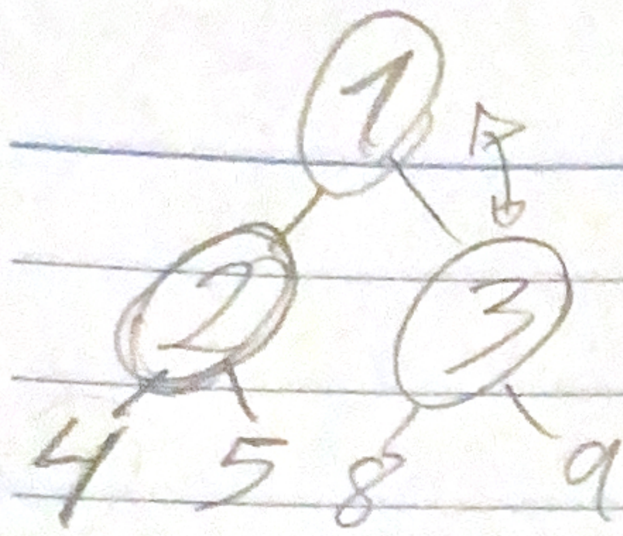
AGORA É UM HEAP

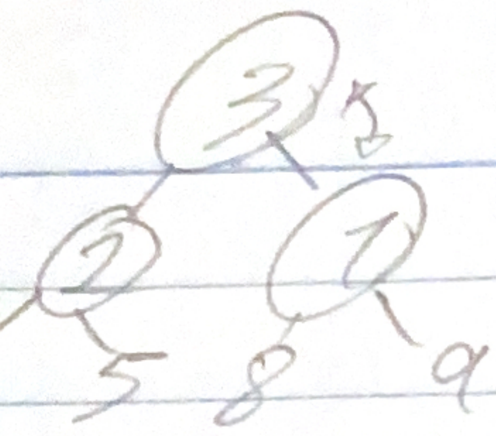
Questão 23 (A)

[(i-1)/2] - PAI
[(2·i) + 1] FE
[(2·i) + 2] FD

3	4	9	2	5	1	8

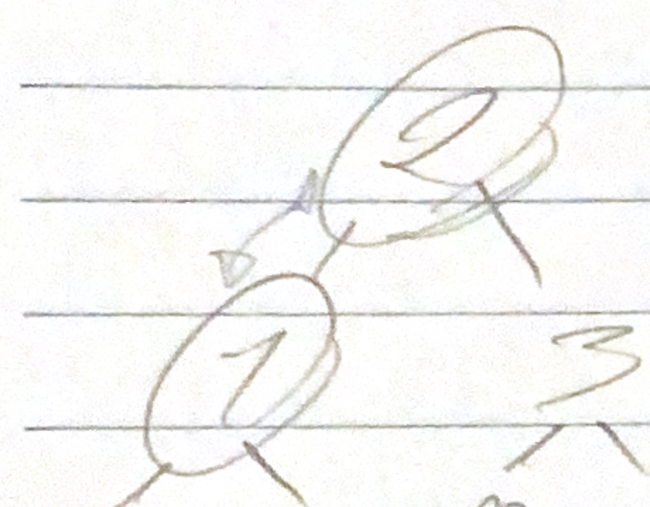


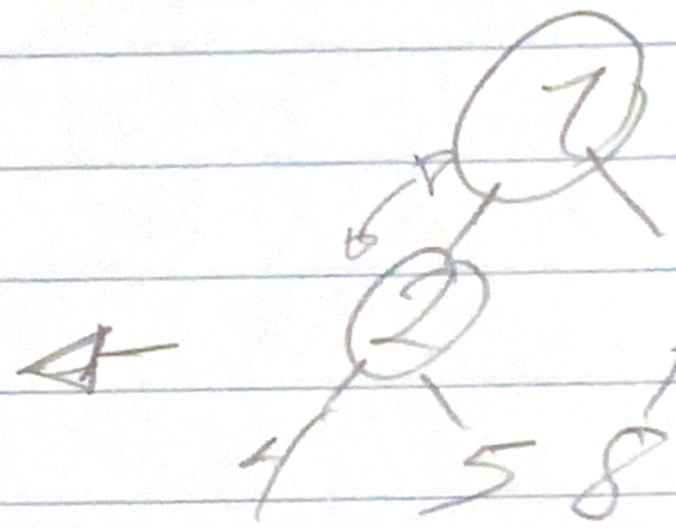




[1, 2, 3] 4, 5, 8, 9

[3, 2, 1] 4, 5, 8, 9

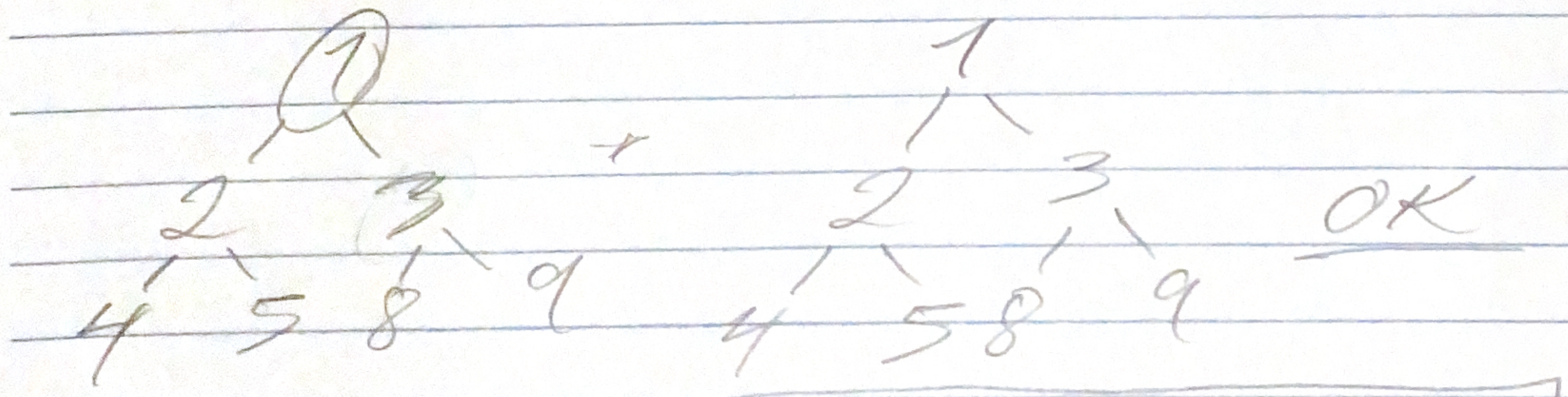




[2, 1] 3, 4, 5, 8, 9

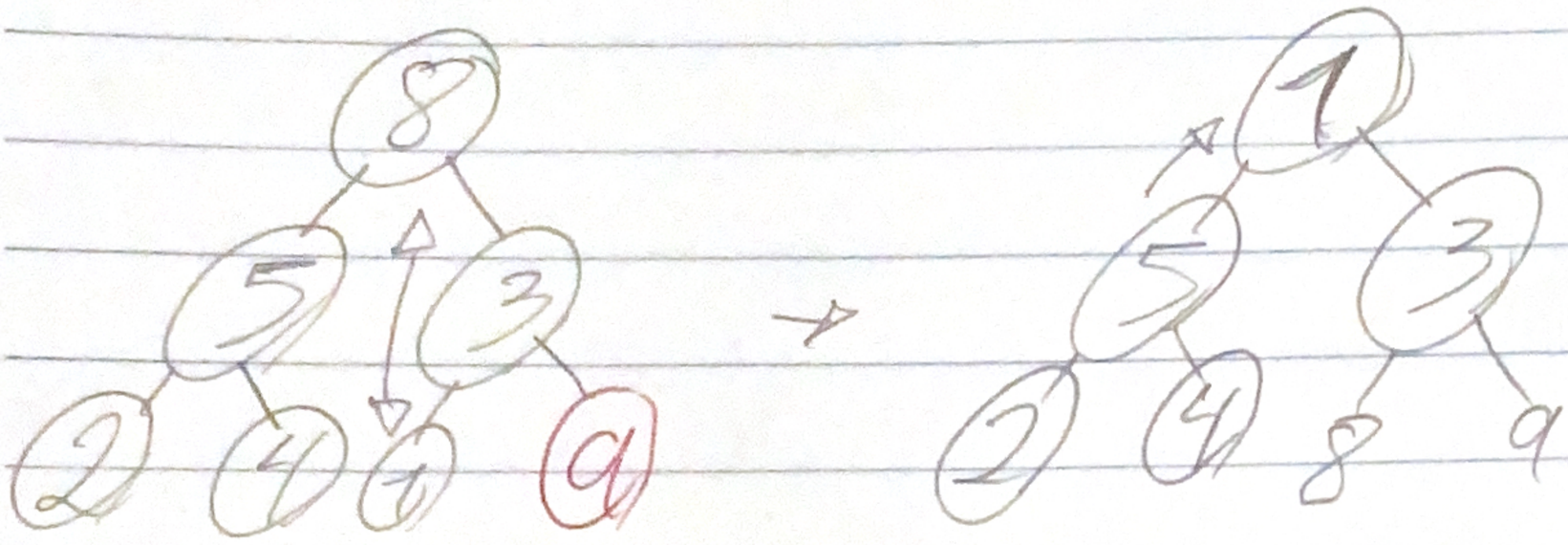
[1, 2] 3, 4, 5, 8, 9

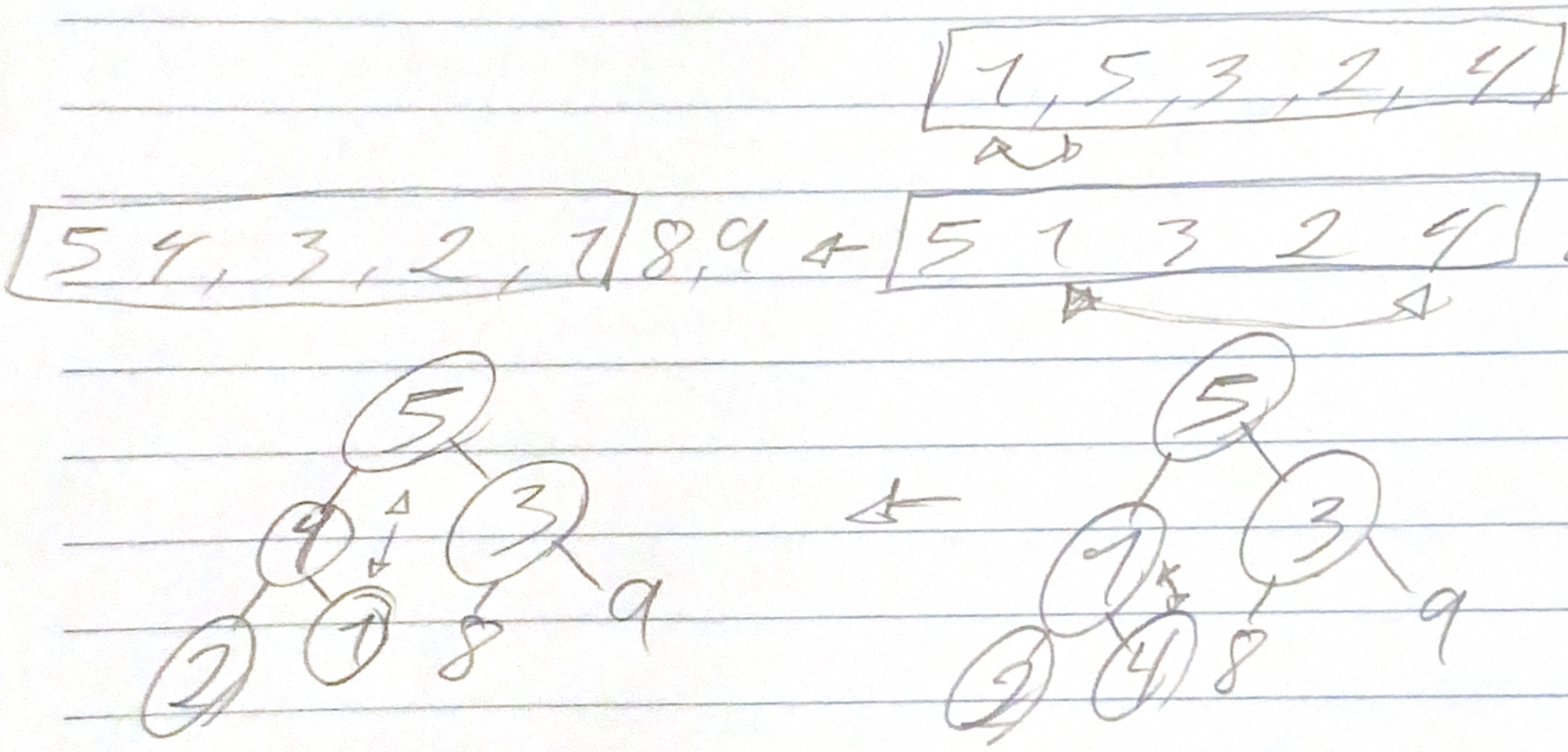
[1] 2, 3, 4, 5, 8, 9

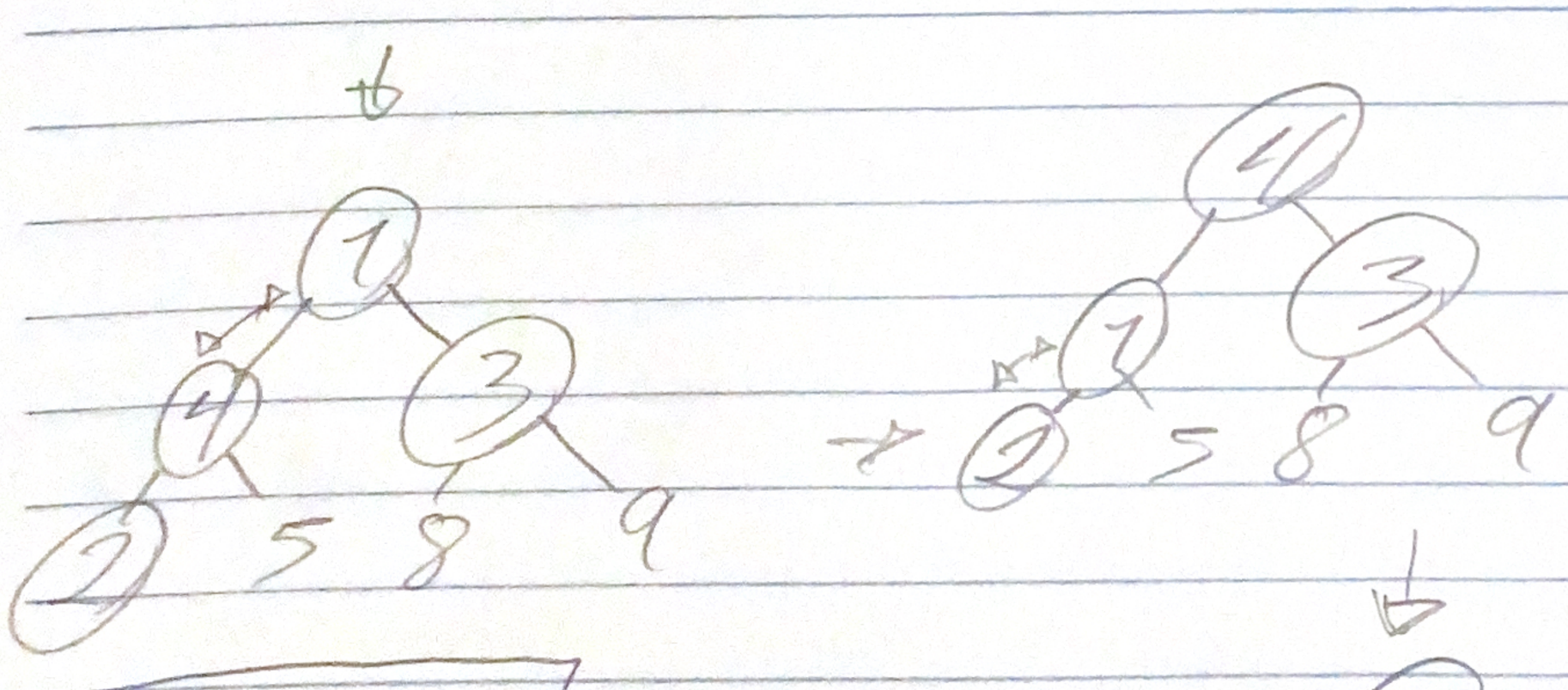


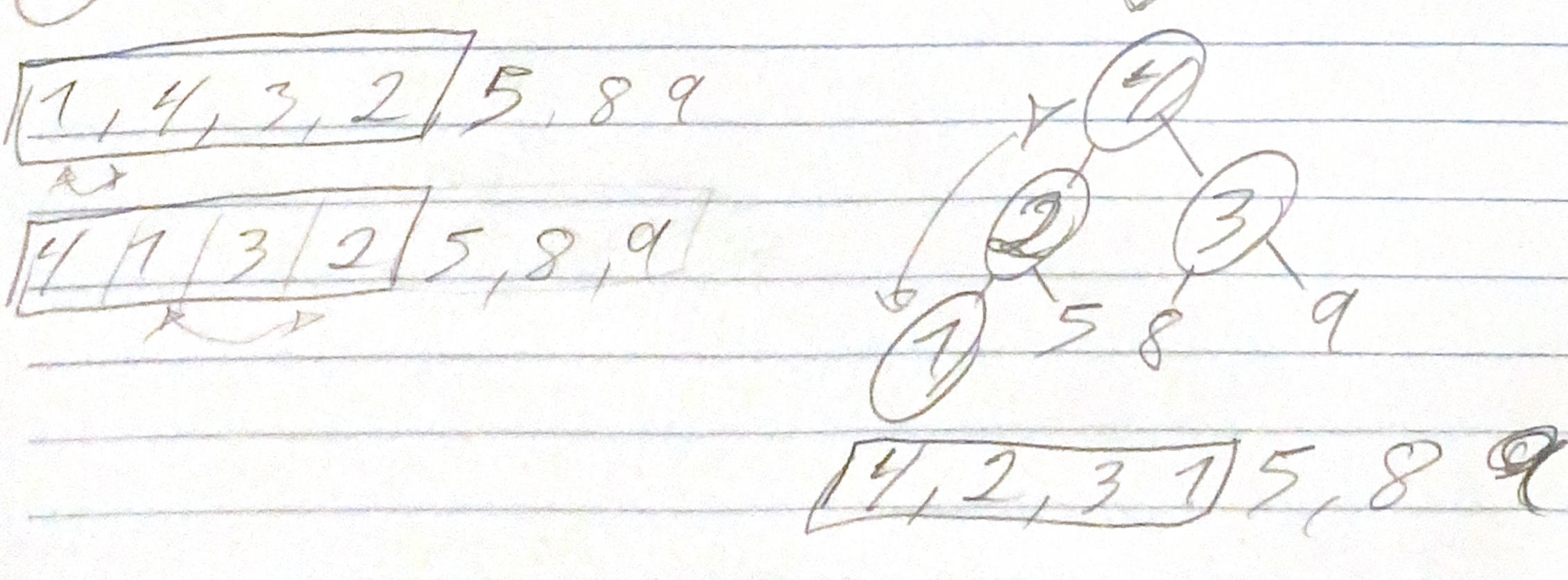
[1, 2, 3, 4, 5, 8, 9]

8	5	3	2	4	1	9





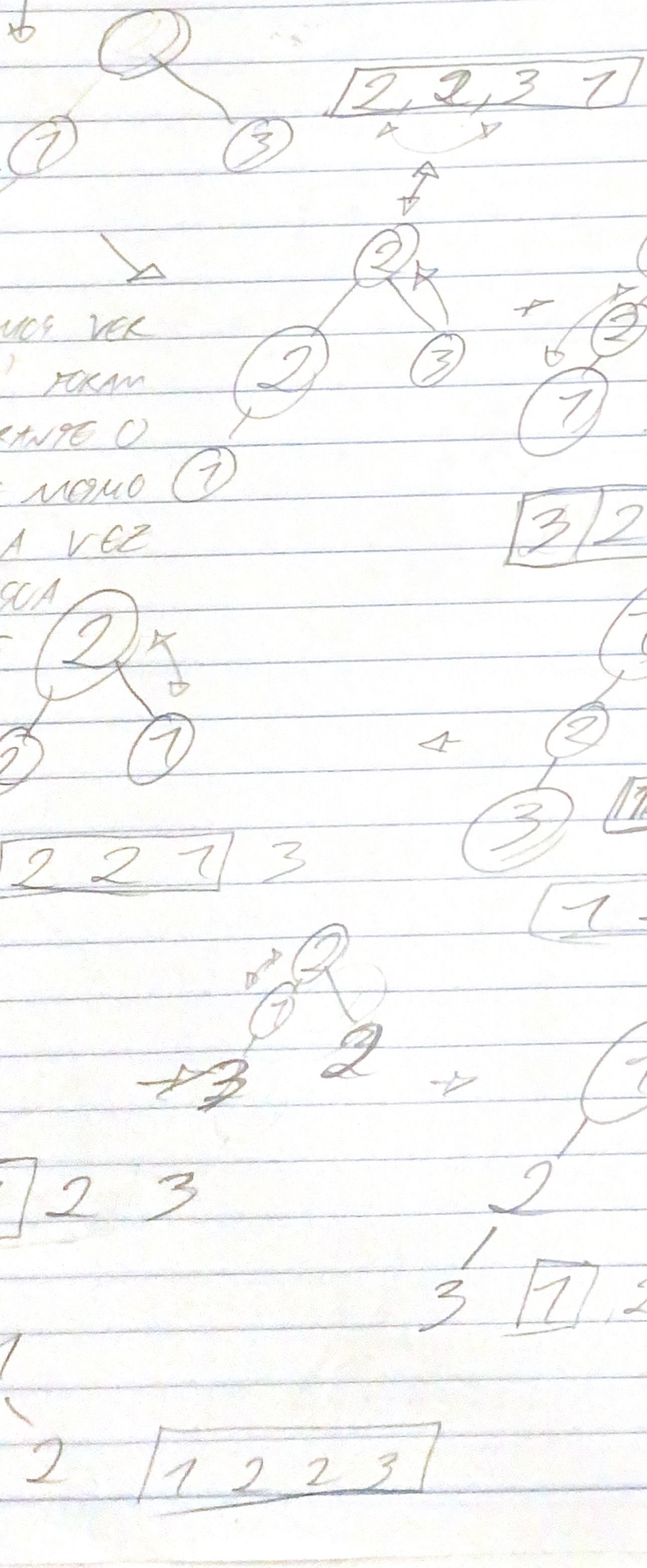




QUESTÃO 24

CONSIDERANDO O SEGUINTE VETOR

[2, 1, 3, 2]



COMO PODEMOS VER OS DOIS '2' FORAM TROCADOS DURANTE O PROCESSO ATÉ MOMO MAS DE UMA VEZ PROVANDO A SUA INSTABILIDADE