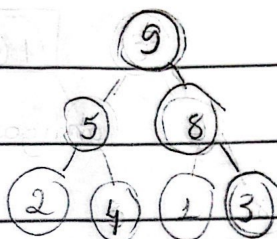


Exercício 23

a) 3 - 4 - 9 - 2 - 5 - 1 - 8



Heap

9 - 5 - 8 - 2 - 4 - 1 - 3

0 - 1 - 2 - 3 - 4 - 5 - 6

9 - 5 - 8 - 2 - 4 - 1 - 3

3 - 5 - 8 - 2 - 4 - 1 - 9

8 - 5 - 3 - 2 - 4 - 1 - 9

1 - 5 - 3 - 2 - 4 - 8 - 9

5 - 1 - 3 - 2 - 4 - 8 - 9

5 - 4 - 3 - 2 - 1 - 8 - 9

1 - 4 - 3 - 2 - 5 - 8 - 9

tilibra

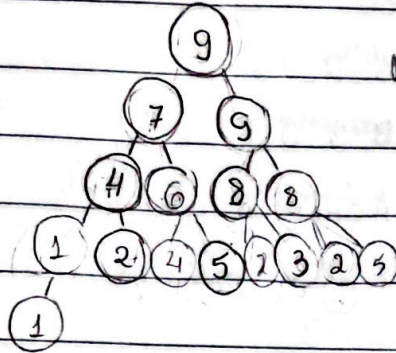
0 1 2 3 4 5 6

4-1-3-2-5-8-9

4-2-3-1-5-8-9

1-2-3-4-5-8-9

b) 3-4-9-2-5-8-2-1-7-4-6-2-9-8-5-1



Heap :

9-7-5-4-6-8-8-1-2-4-5-2-3-2-5-1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

9-7-5-4-6-8-8-1-2-4-5-2-3-2-5-1

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7-6-5-4-5-3-2-1-2-4-1-2-8-8-9-9

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6-5-5-4-2-3-2-1-2-4-1-7-8-8-9-9

tilibra

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1-1-2-2-2-3-4-4-5-5-6-7-8-8-9-9 → ordenado