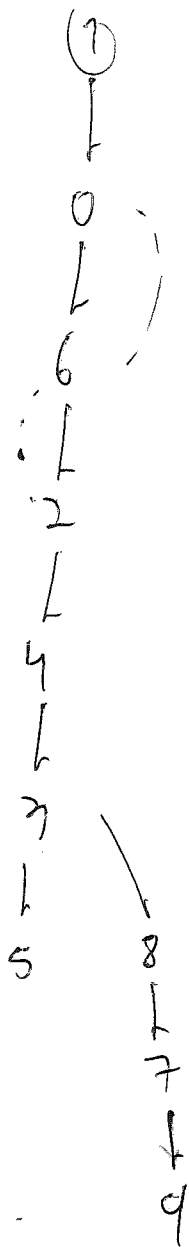


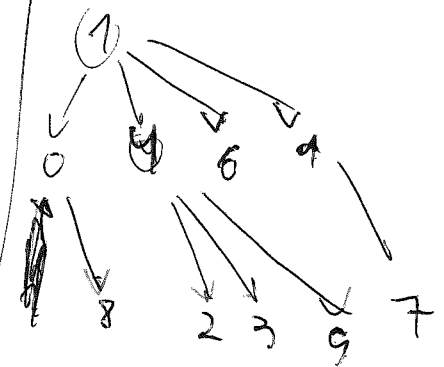
Problema 3

a)

DFS(1) = 1, 0, 6, 2, 4, 3, 5, 8, 7, 9



| | | | | | |
|---|---|----|----|----|----|
| | | R | Av | Av | Av |
| 0 | → | 1 | 6 | 8 | |
| 1 | → | A | Av | Av | Av |
| | | 0 | 4 | 6 | 9 |
| 2 | → | Av | R | | |
| | | 4 | 6 | | |
| 3 | → | R | A | A | |
| | | 4 | 5 | 8 | |
| 4 | → | R | R | A | Av |
| | | 1 | 2 | 3 | 9 |
| 5 | → | R | R | | |
| | | 3 | 4 | | |
| 6 | → | R | R | A | |
| | | 0 | 1 | 2 | |
| 7 | → | R | A | | |
| | | 8 | 9 | | |
| 8 | → | R | R | A | |
| | | 0 | 3 | 7 | |
| 9 | → | R | R | | |
| | | 1 | 4 | 7 | |



| | | | | | |
|---|---|---|---|---|---|
| | | R | C | A | |
| 0 | → | 1 | 6 | 8 | |
| 1 | → | A | A | A | A |
| | | 0 | 4 | 6 | 9 |
| 2 | → | R | C | | |
| | | 4 | 6 | | |
| 3 | → | R | C | C | |
| | | 4 | 5 | 8 | |
| 4 | → | R | A | A | C |
| | | 1 | 2 | 3 | 9 |
| 5 | → | C | R | | |
| | | 3 | 4 | | |
| 6 | → | C | R | C | |
| | | 0 | 1 | 2 | |
| 7 | → | C | R | C | |
| | | 8 | 9 | | |
| 8 | → | R | C | | |
| | | 0 | 3 | 7 | |
| 9 | → | R | C | A | |
| | | 1 | 4 | 7 | |

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DFS(1) =

1, 0, 4, 6, 9, 8, 2, 3, 5, 7

~~1, 0, 4, 6, 9, 8, 2, 3, 5, 7~~

~~1, 0, 4, 6, 9, 8, 2, 3, 5, 7~~

c) No.

Hay areas de retroceso

d) (1, 0, 8)