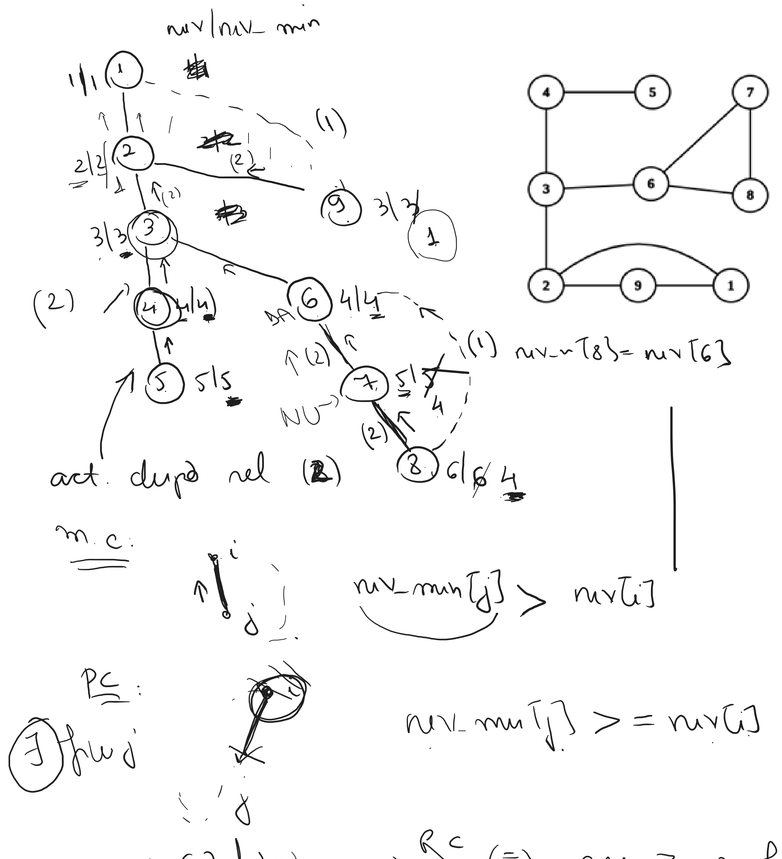

nrv_min[8] = nrv[6]

DFS(1) -> pt fiecare nr
nrv[i] = nivelul la care DFS
nrv_min[i] =>

i se poate prinde in cicluri
- direct prin m. de intoarcere:
(1) A = min{ nrv[j] | ij m de int }
- printr-un desc (fiu)
(2) B = min{ nrv_min[j] | j este fiu al i }

nrv_min[i] = min{A, B, nrv[i]}

m.c.:

nrv_min[j] > nrv[i]

PC:

nrv_min[j] >= nrv[i]

- radacina -> RC <=> are ≥ 2 fii

Ex 1: Not x_4 -> nr de fete de grad 4
x_6 -> nr de fete de grad 6

$|F| = x_4 + x_6$

$$2m = \sum_{f \in F} d_m(f) = \underbrace{4 + \dots + 4}_{x_4 \text{ ori}} + \underbrace{6 + \dots + 6}_{x_6 \text{ ori}} = 4x_4 + 6x_6$$

$$\sum_v d_m(v) = 3n = 2m$$

$$\rightarrow \begin{cases} n - m + \overbrace{x_4 + x_6}^{|F|} = 2 \\ 4x_4 + 6x_6 = 2m \\ 3n = 2m \end{cases}$$