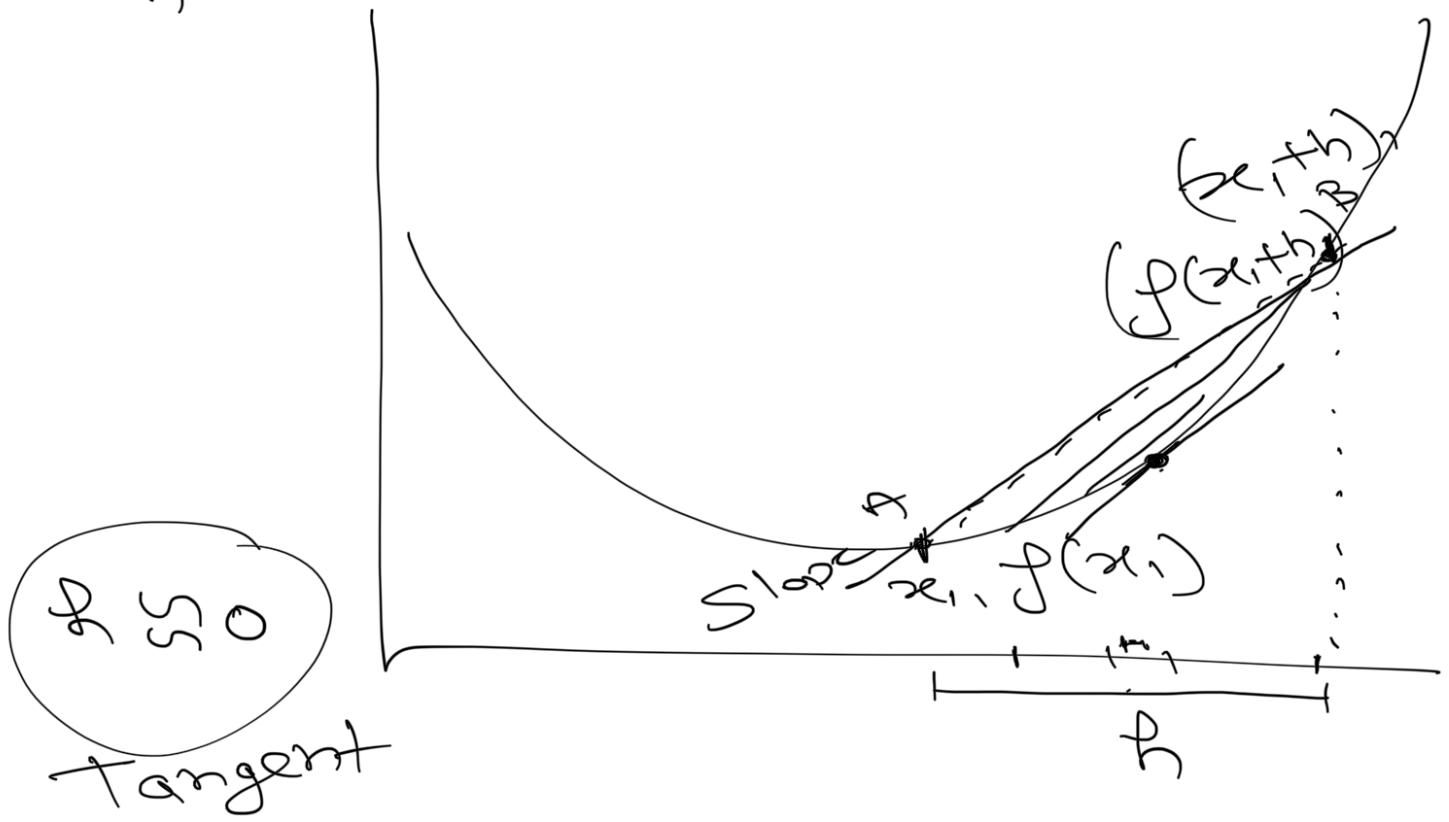


$$\lim_{h \rightarrow 0} f(x)$$



$$x_1, y_1 \Rightarrow x_1, f(x_1)$$

$$x_2, y_2 \Rightarrow (x_1 + h), f(x_1 + h)$$

$$\text{slope} \Rightarrow \underbrace{(y_2 - y_1)}_{}$$

$$x_2 - x_1$$

$$\frac{f(x_1 + h) - f(x_1)}{x_1 + h - x_1}$$

Slope
Stem

$$\frac{f(x_1 + h) - f(x_1)}{h}$$

$$h \rightarrow 0 \quad \left(\frac{f(x_1 + h) - f(x_1)}{h} \right)$$

a

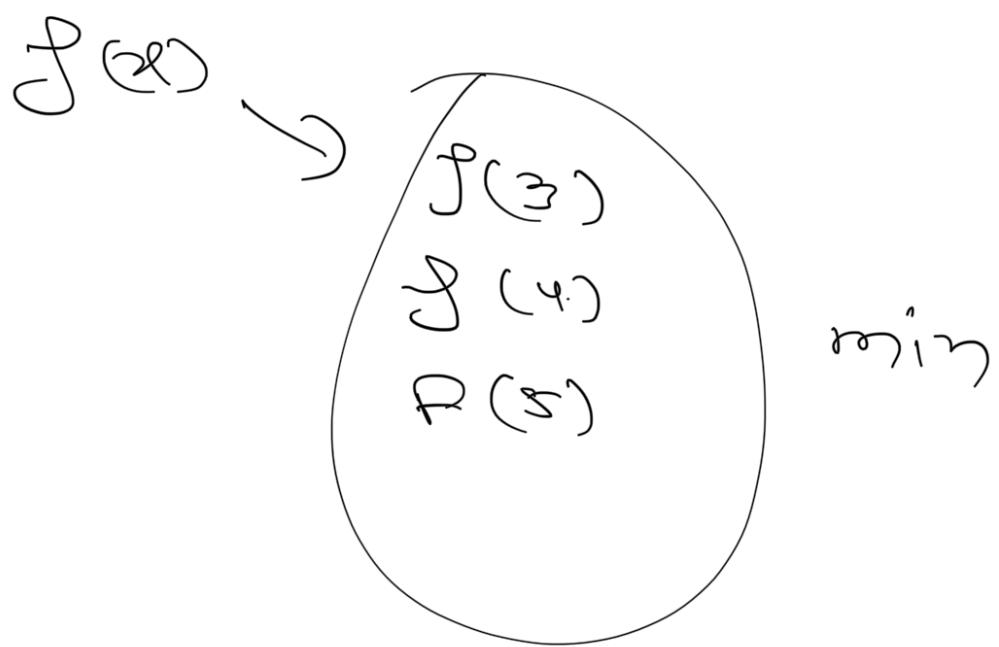
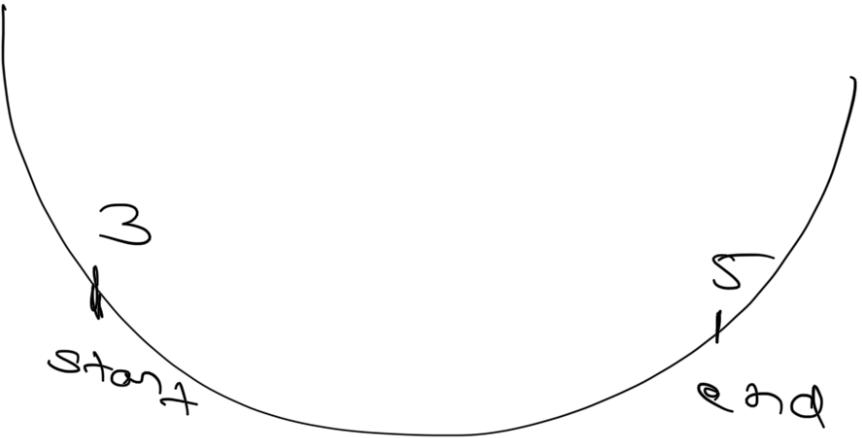
b

c

Start

End

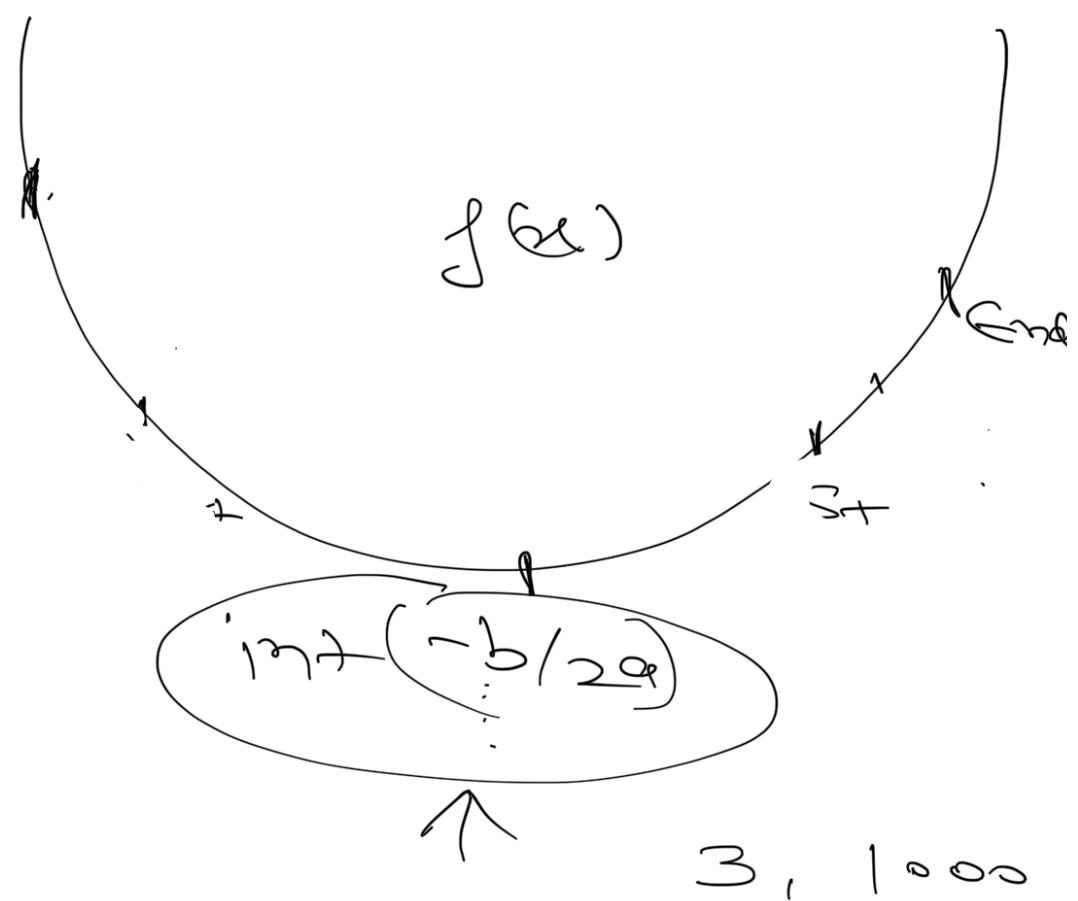
$$ax^2 + bx + c$$



f_{ox} : $\text{range}(3, S+1)$
 $(a(r^2 + b(r) + c))$

Start 3 , end 1000
 $f(x) \rightarrow 992$

→ Mathematical



→ find minimum

→ if s  f

②

(1)

(2)

Min

(3)

Min

(5)

1



$b_{2q} \rightarrow (Q_0)$

x

$2 \leftarrow int \cancel{b} (Q_1) \nearrow^2$

2

\uparrow

int

b

Q_1

min

Q_0

$+ (3)$

$\searrow 3$

$Q_1 3$

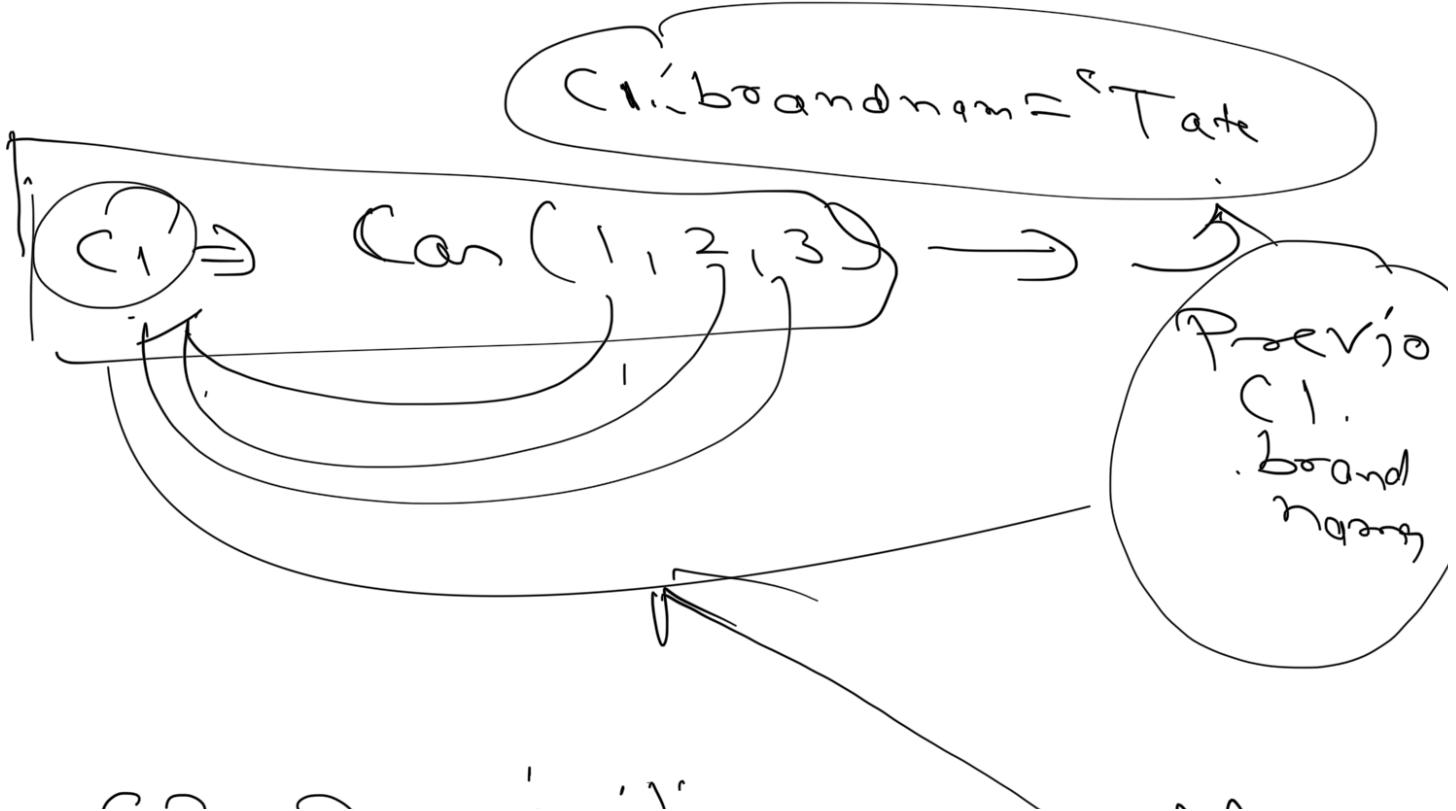
Loop

$O(n)$

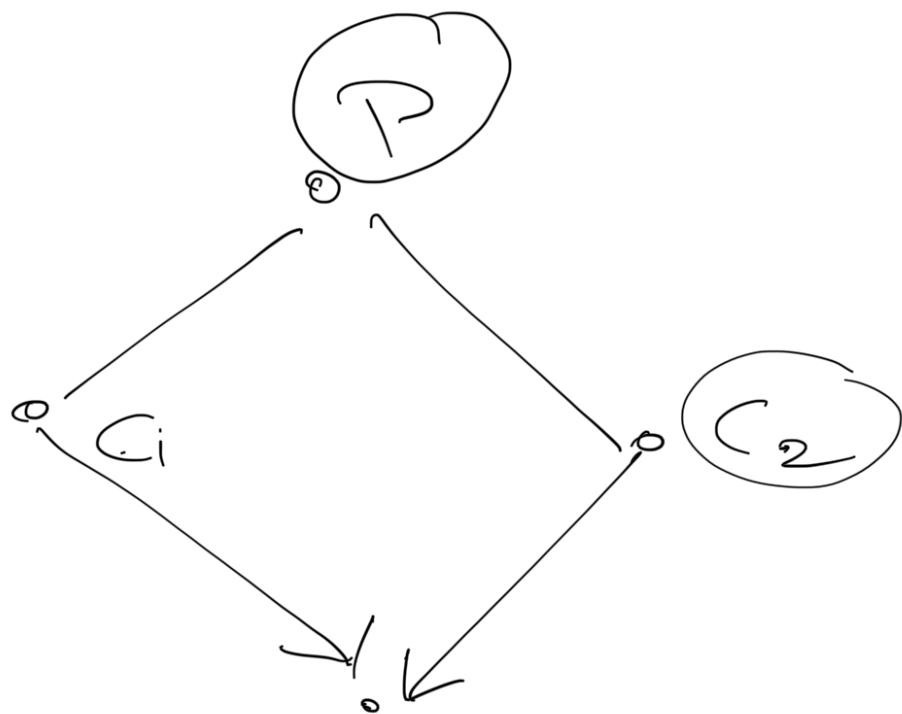
Mathi

$O(1) \Rightarrow 3+2$

Class Car



$\hookrightarrow \Rightarrow$ initia
 add extra
 attribute

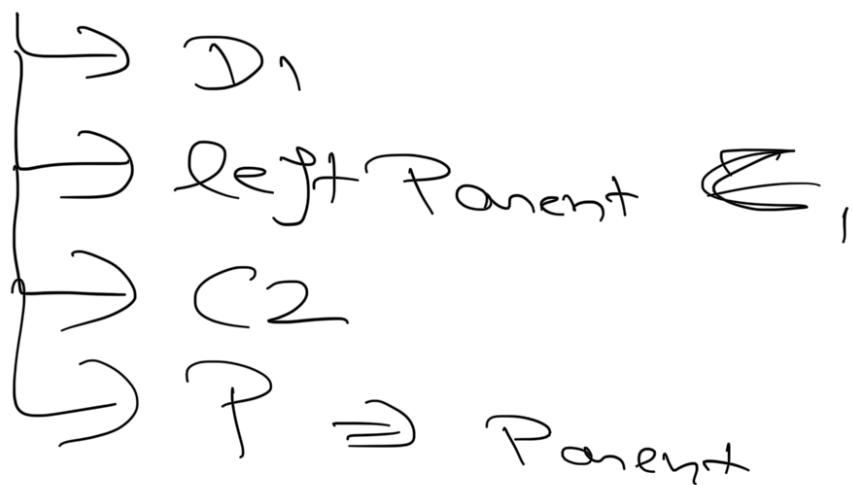


$D(1)$

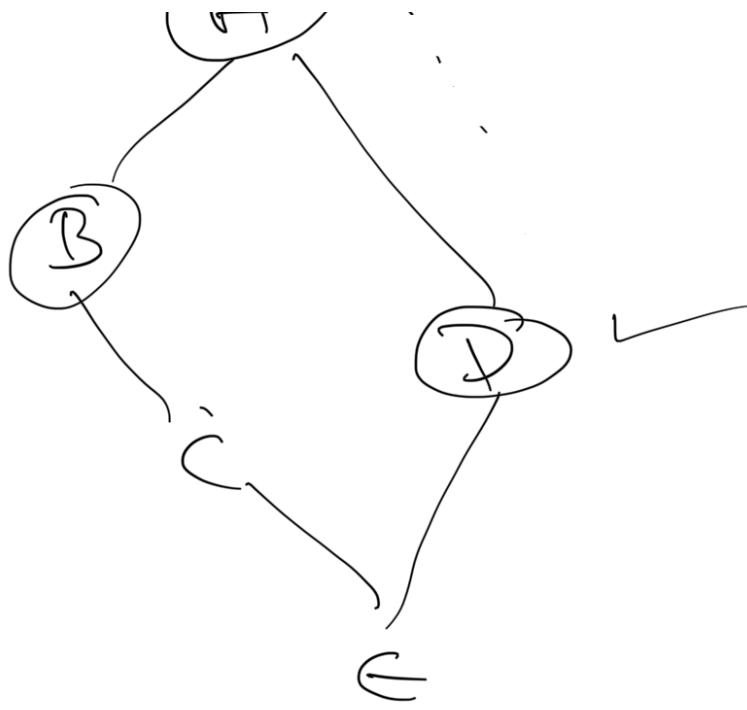
Method Resolution Order

\Rightarrow mro

$D \leftarrow \text{method}()$



$D(1)$



2) MRO ↗

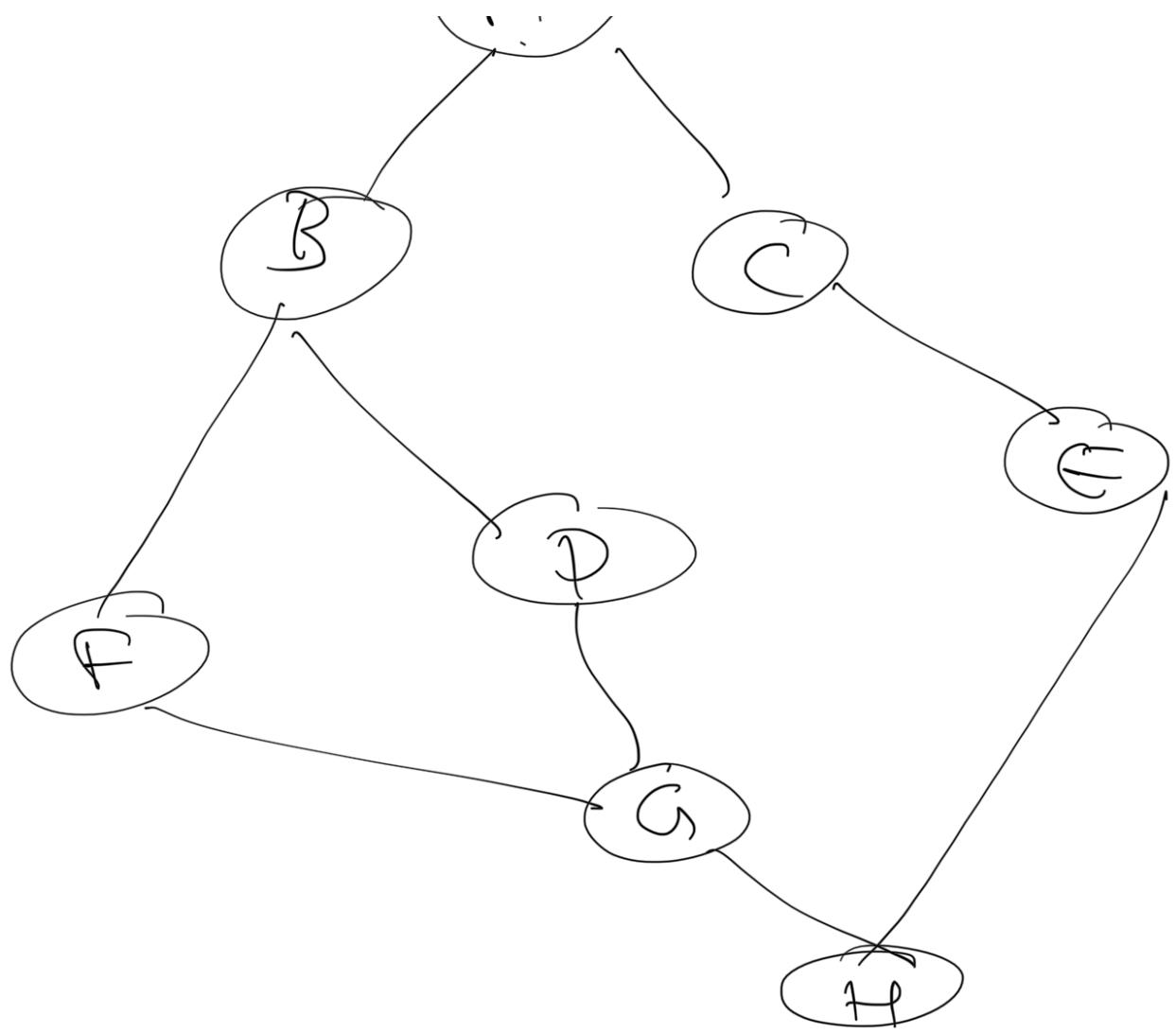
1.

① E C B D A
 ② E C D B A

3) E → C → B → D
 ↙ A

MRO

A



$\Rightarrow H \rightarrow G \cup F \rightarrow D$

$B \rightarrow E \cup C \cup F$

$C \leftarrow E$

multi level
TD ..

