



Estructura de dades

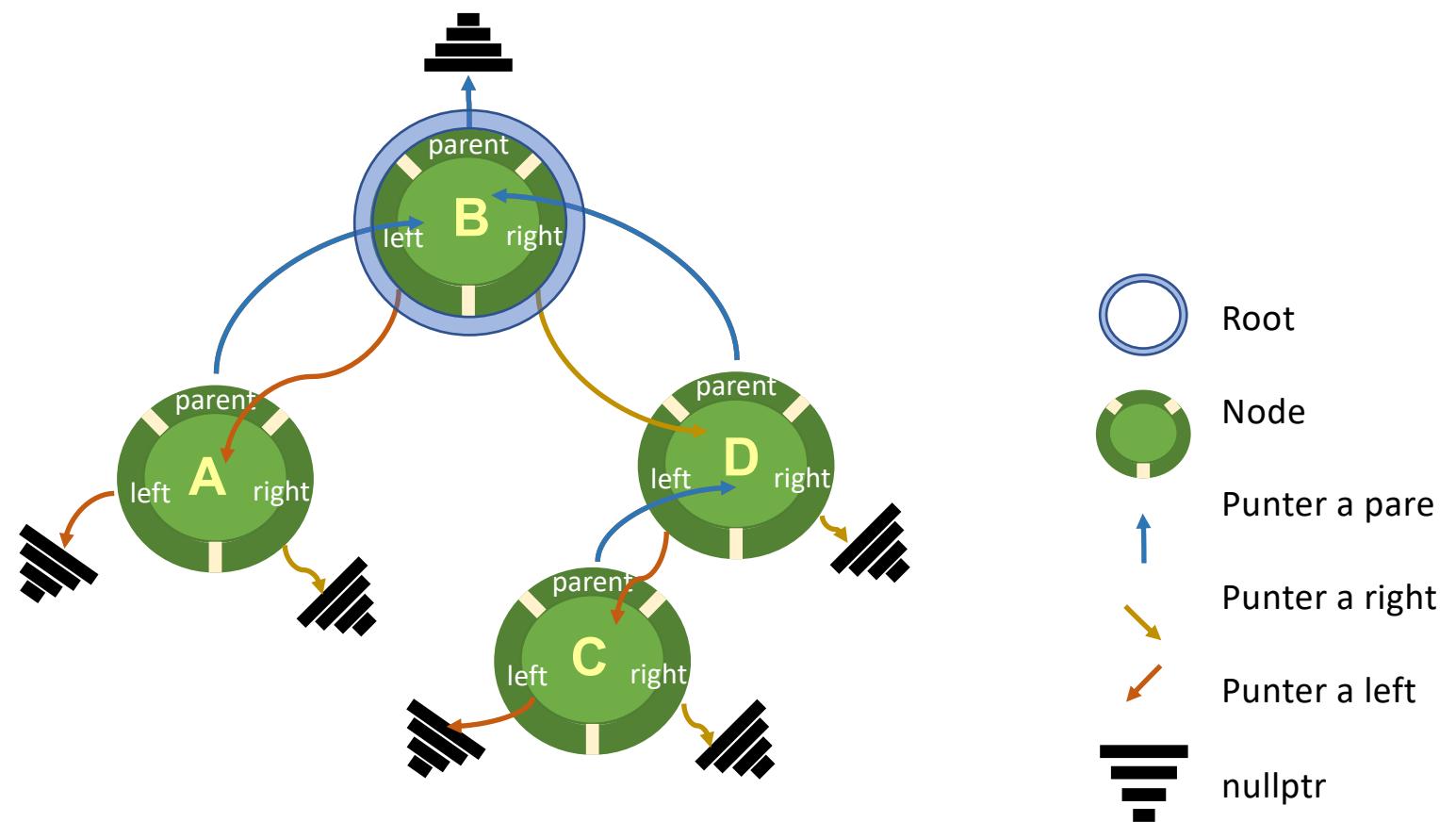
Diapositives de suport Pràctica 3 Arbres



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Notació Arbres

Arbres amb Estructures Encadenades

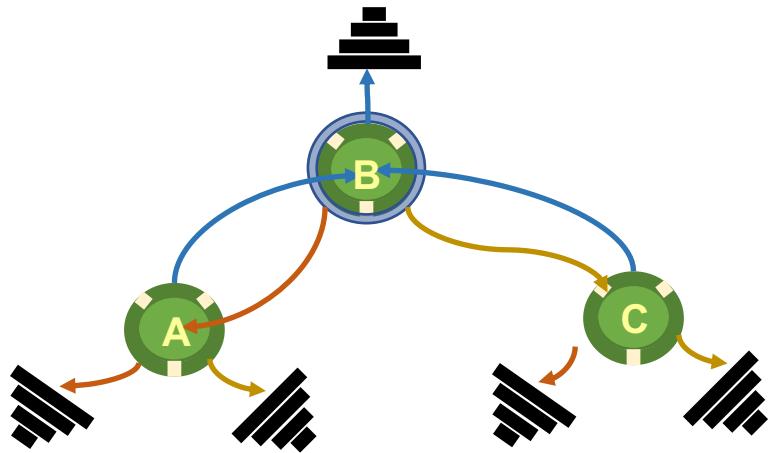




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Recorreguts

Recorreguts

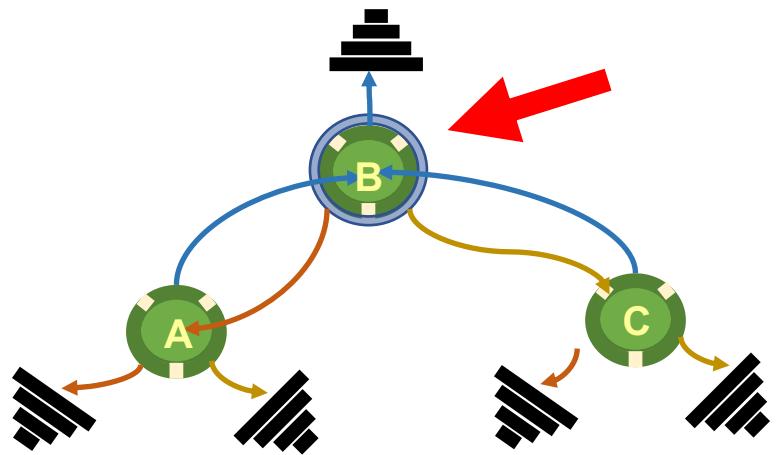


Sempre recorrem d'esquerra a dreta

El que varia en els recorreguts
preordre, inordre i postordre és quan
“tractem” el pare.

A C

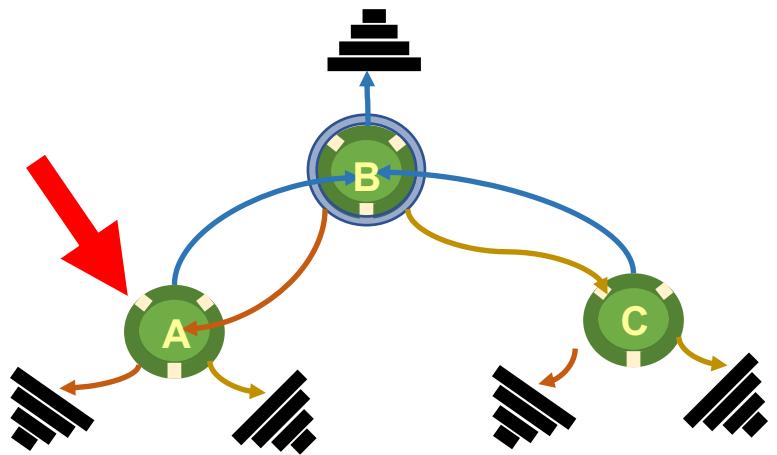
Recorregut preordre



B

En el recorregut **preordre** el pare es tracta **prèviament** als fills

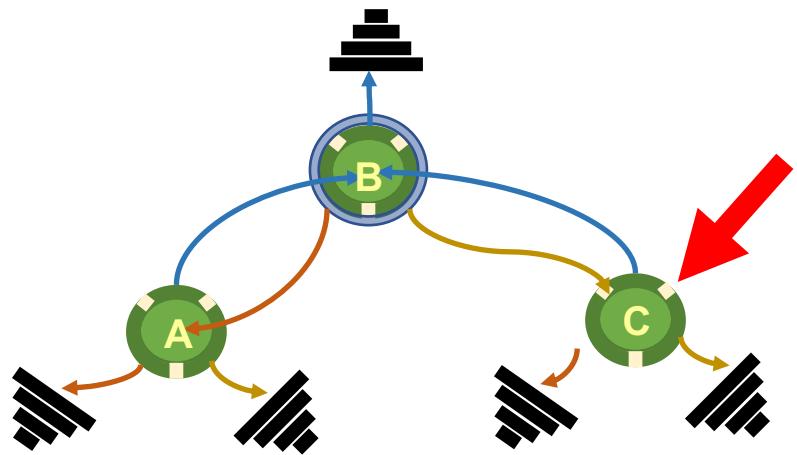
Recorregut preordre



B A

En el recorregut **preordre** el pare es tracta **prèviament** als fills

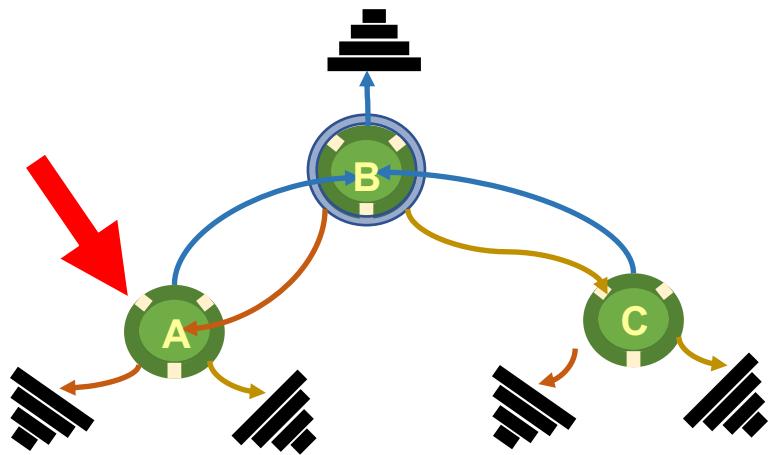
Recorregut preordre



B A C

En el recorregut **preordre** el pare es tracta **prèviament** als fills

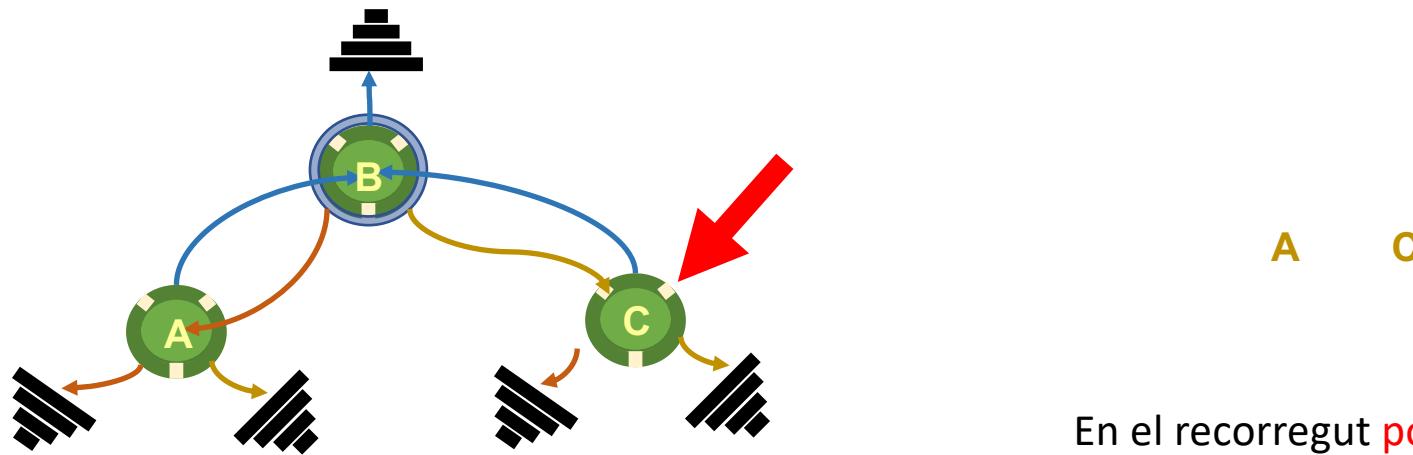
Recorregut postordre



A

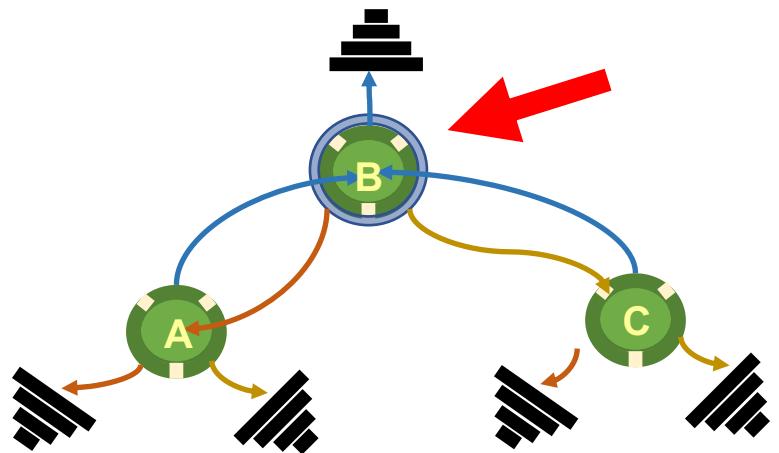
En el recorregut **postordre** el pare
es tracta **posteriorment** als fills

Recorregut postordre



En el recorregut **postordre** el pare
es tracta **posteriorment** als fills

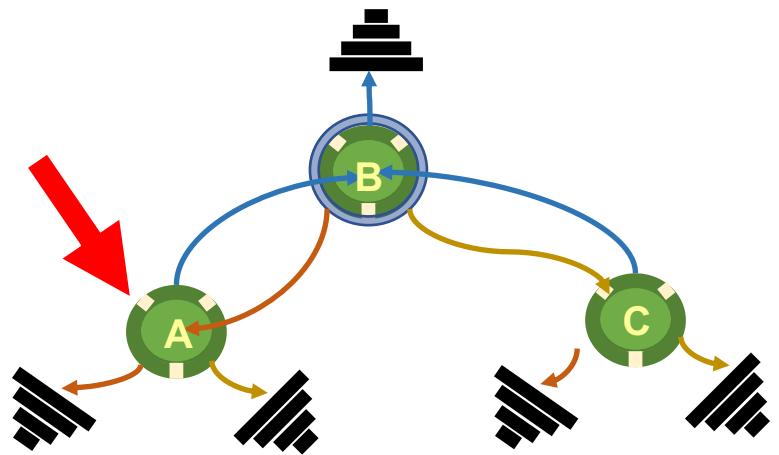
Recorregut postordre



A C B

En el recorregut **postordre** el pare
es tracta **posteriorment** als fills

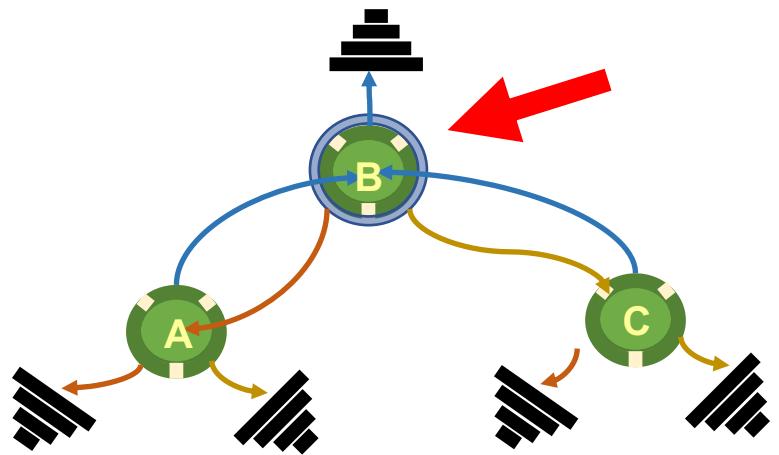
Recorregut inordre



A

En el recorregut **inordre** el pare es tracta **entre** els fills

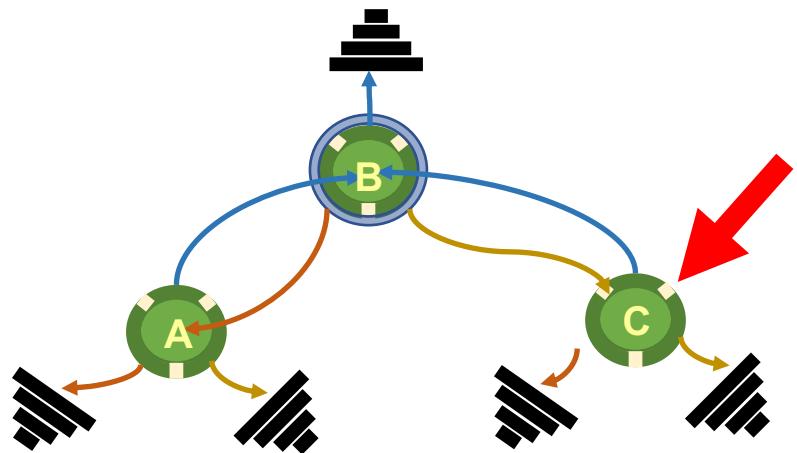
Recorregut inordre



A B

En el recorregut **inordre** el pare es
tracta **entre** els fills

Recorregut inordre



A B C

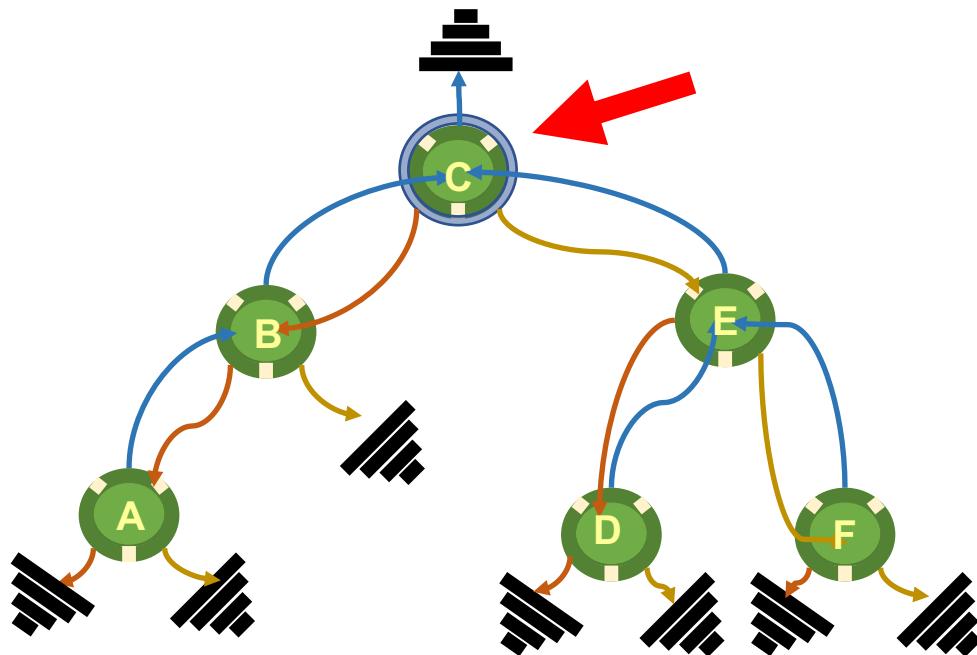
En el recorregut **inordre** el pare es tracta **entre** els fills



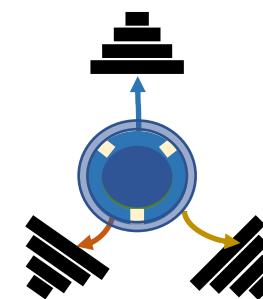
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Constructor còpia

Arbre original

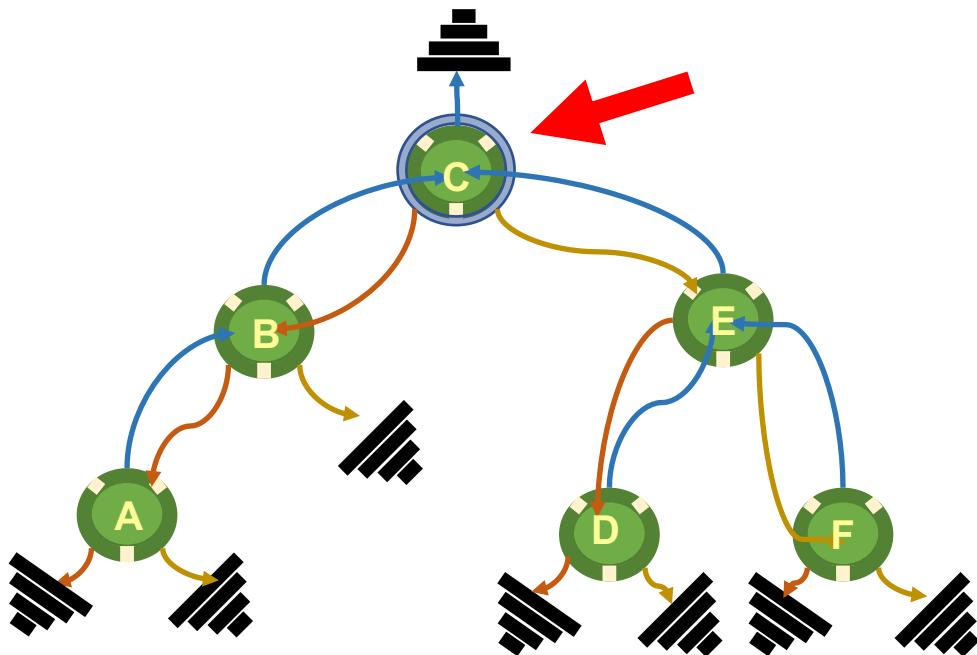


Arbre còpia

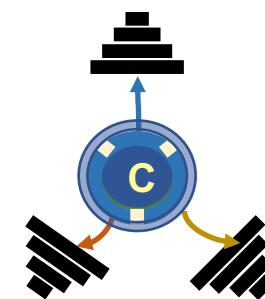


Recorrem l'arbre original en preordre

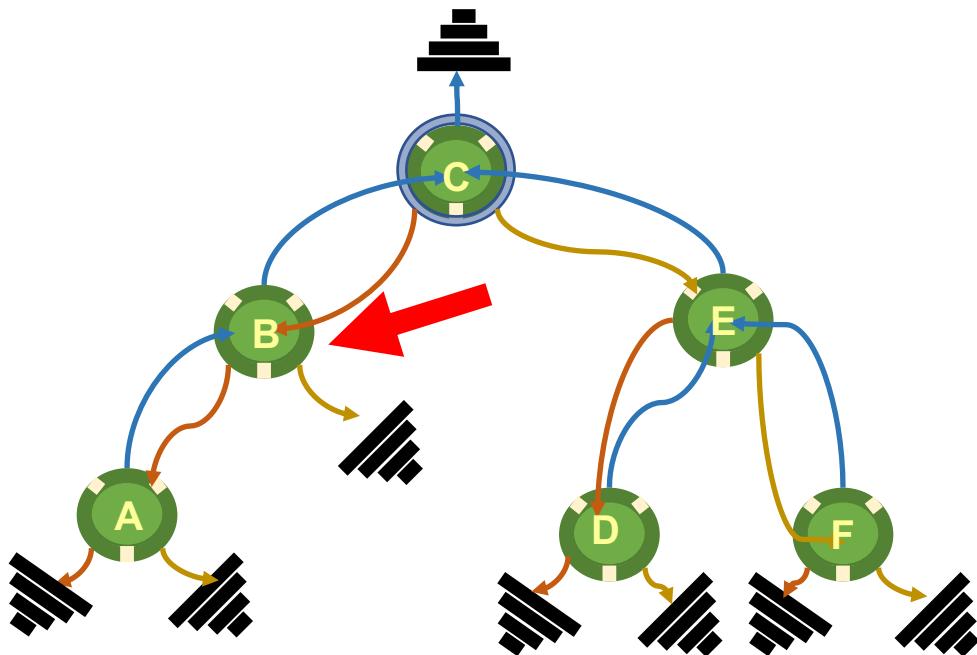
Arbre original



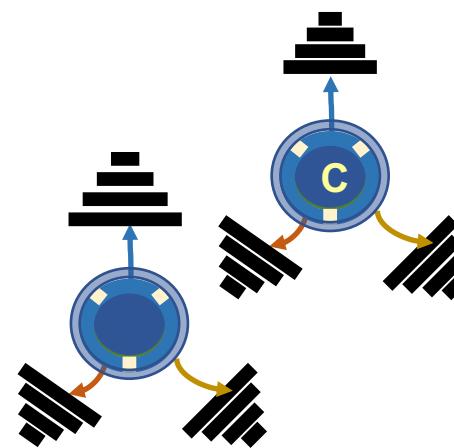
Arbre còpia



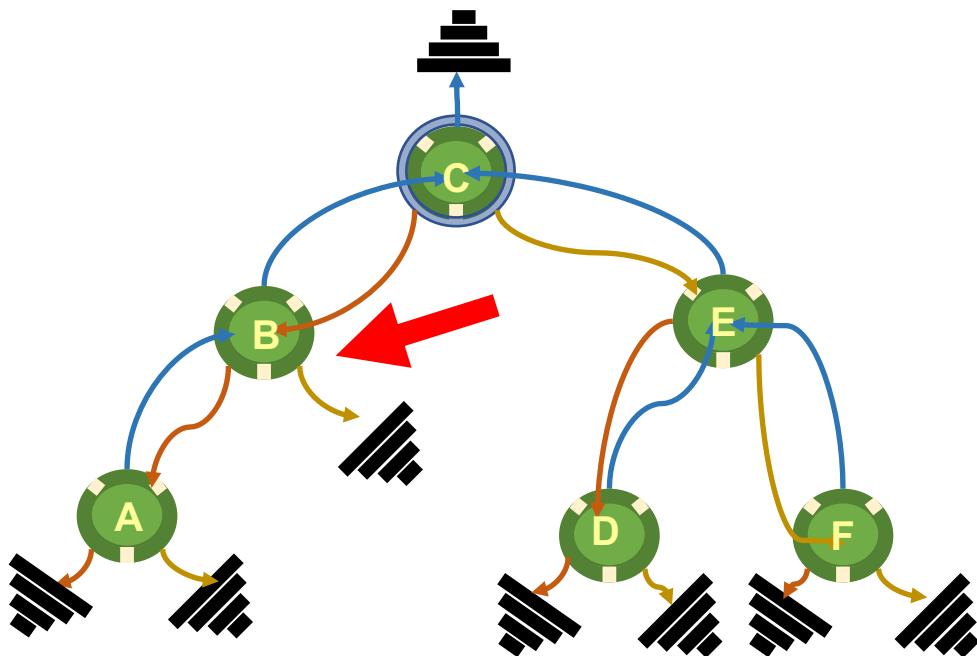
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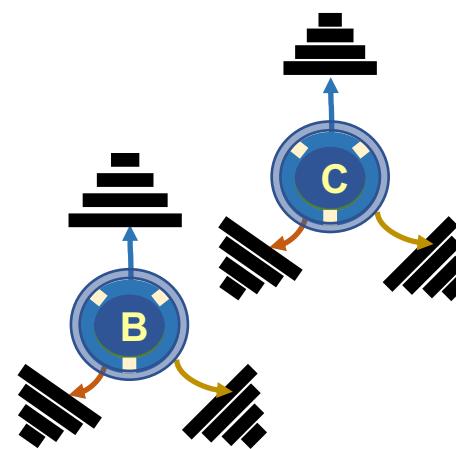
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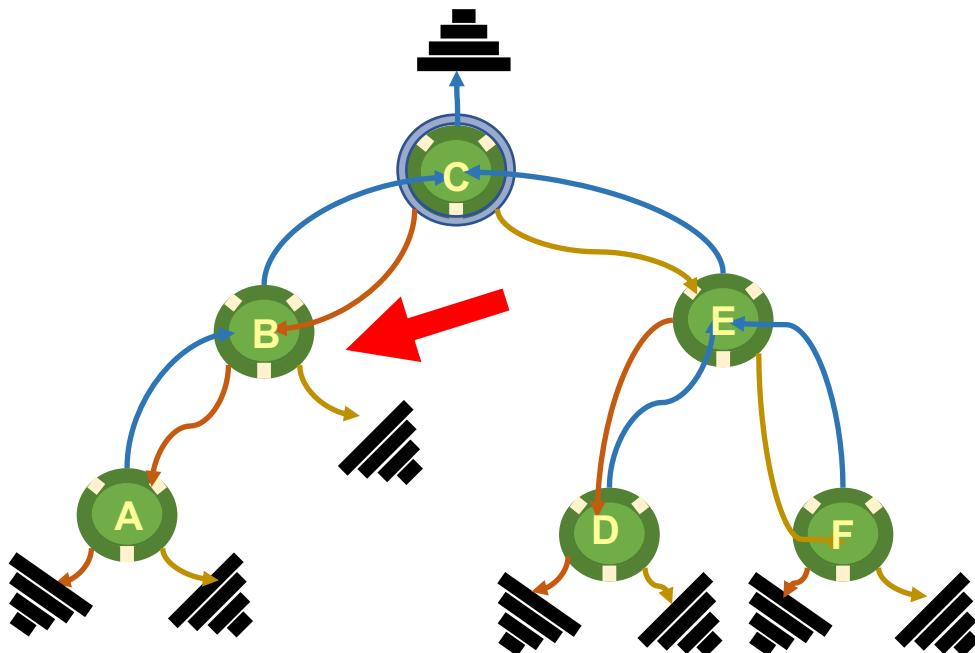
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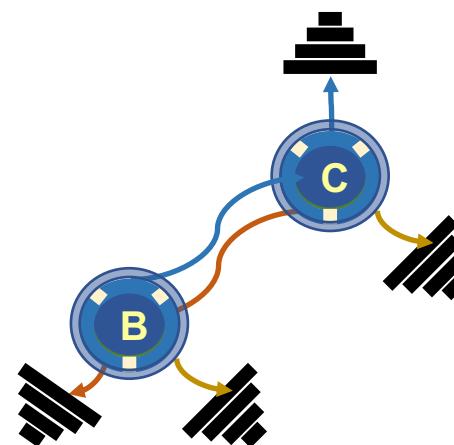
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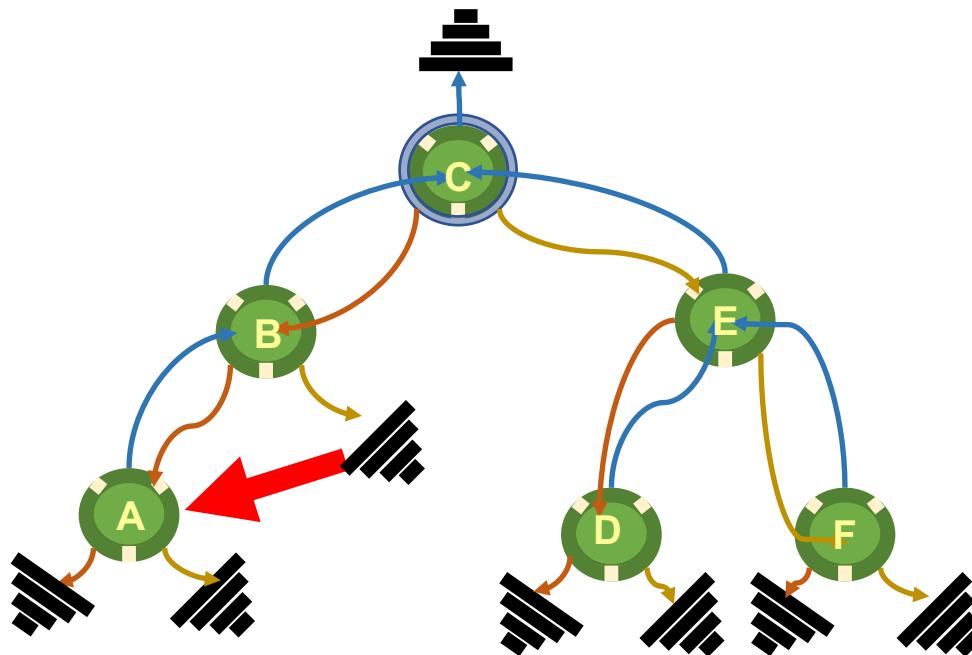
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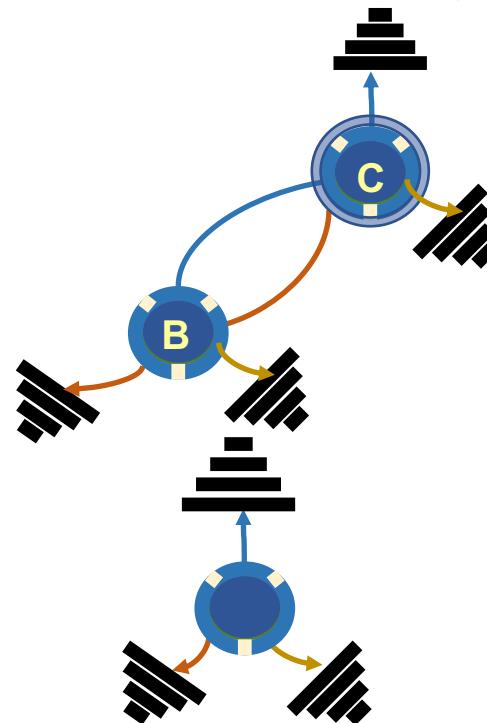
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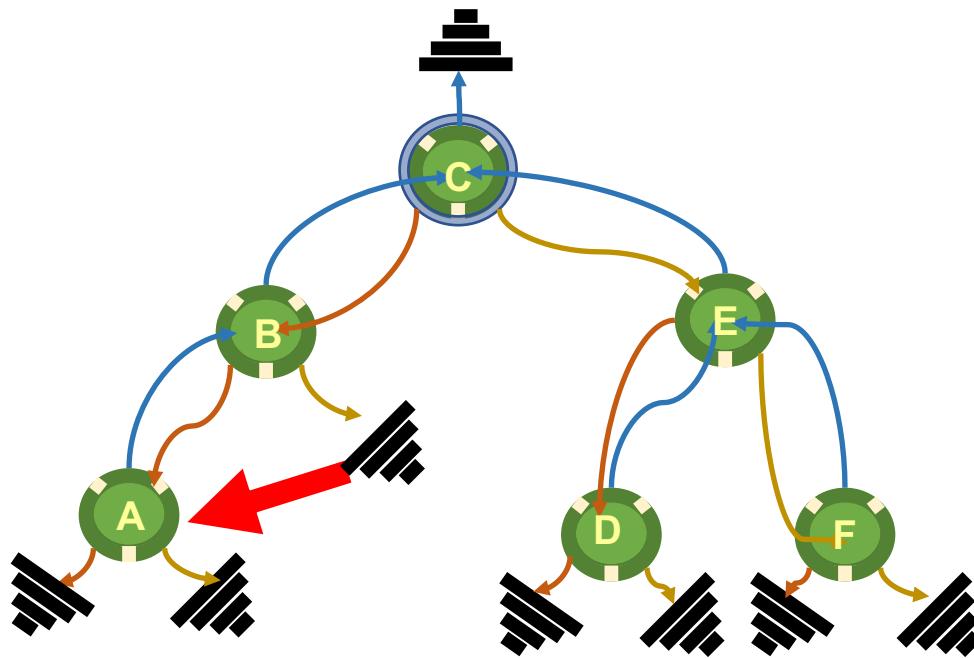
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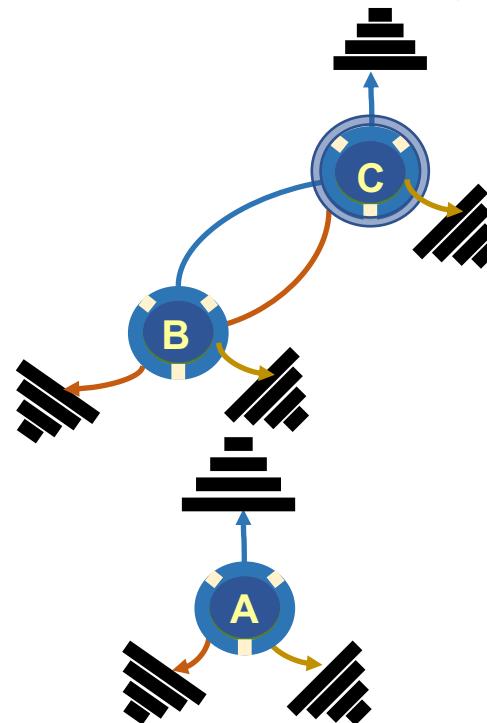
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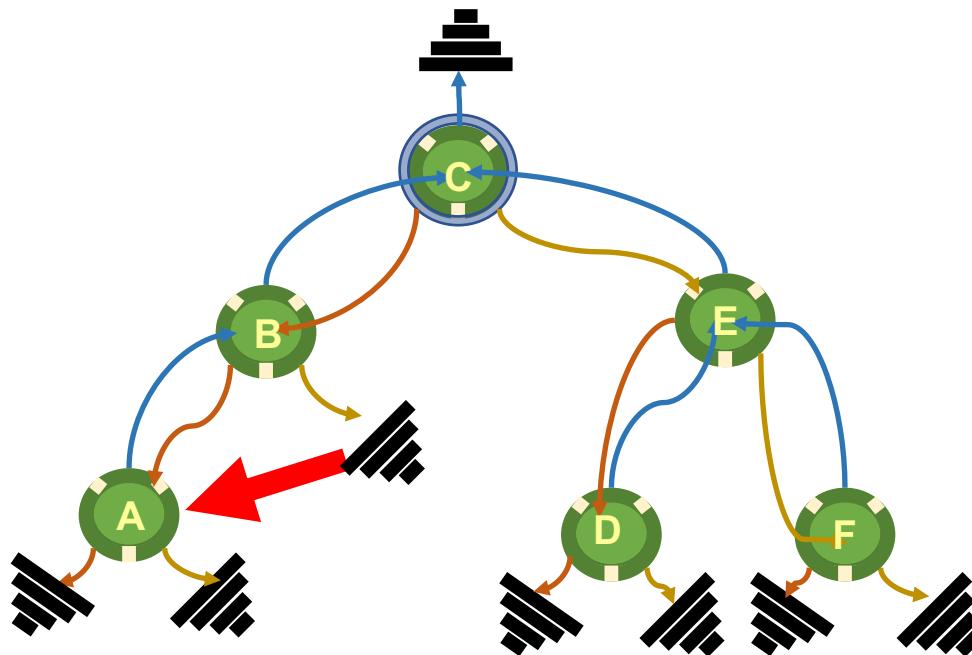
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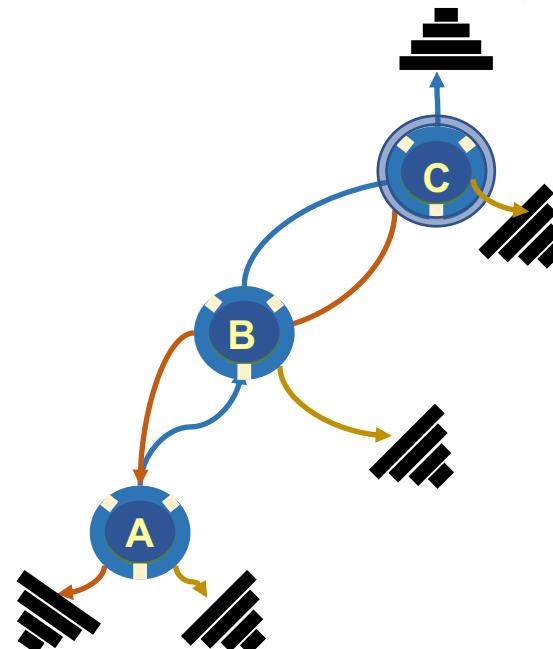
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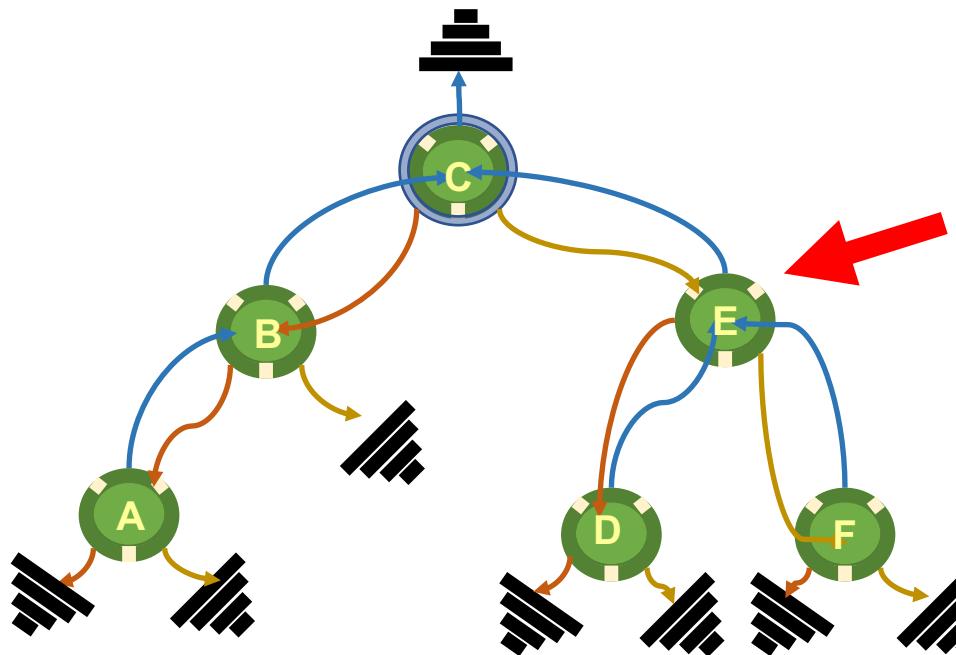
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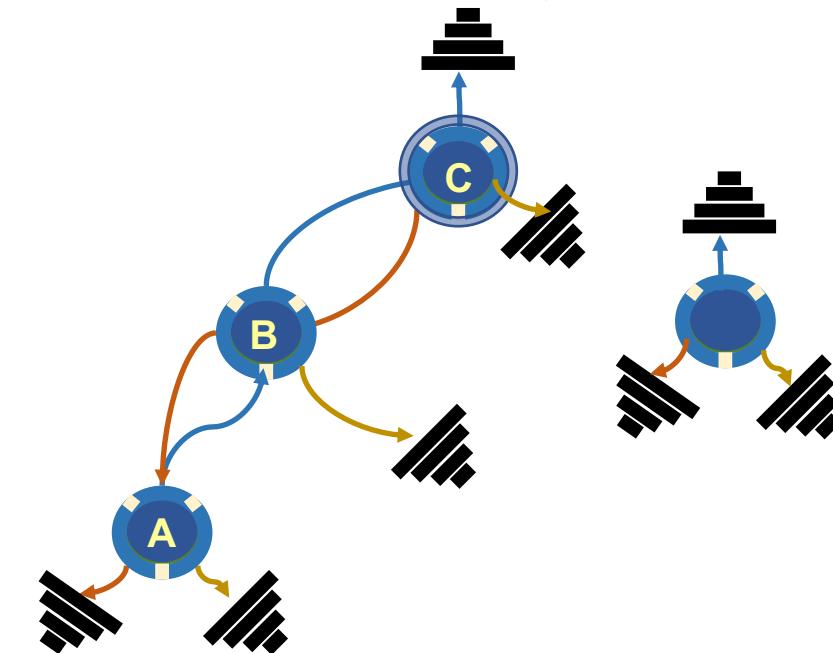
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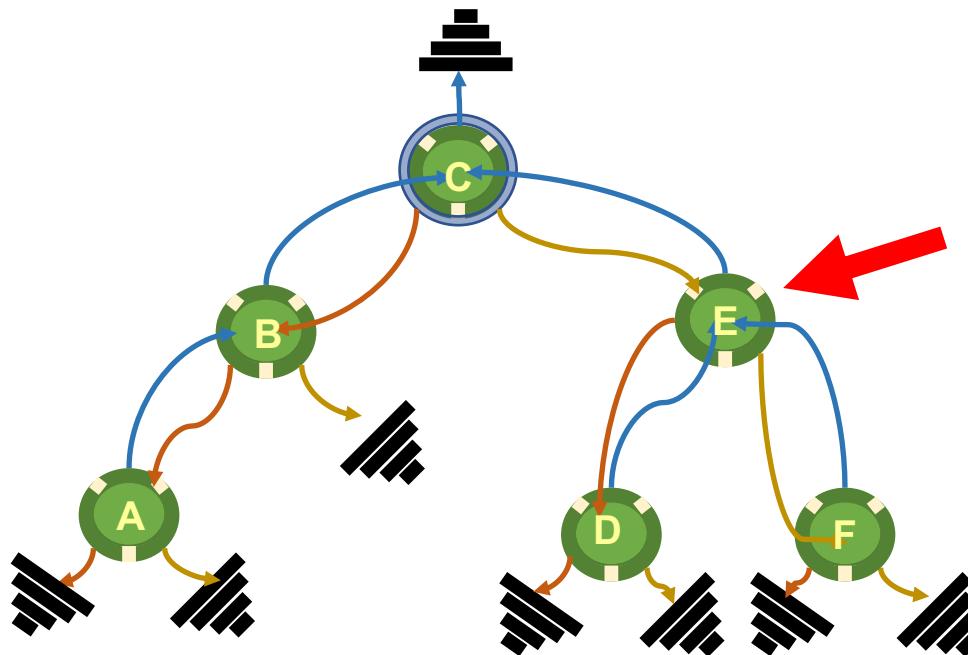
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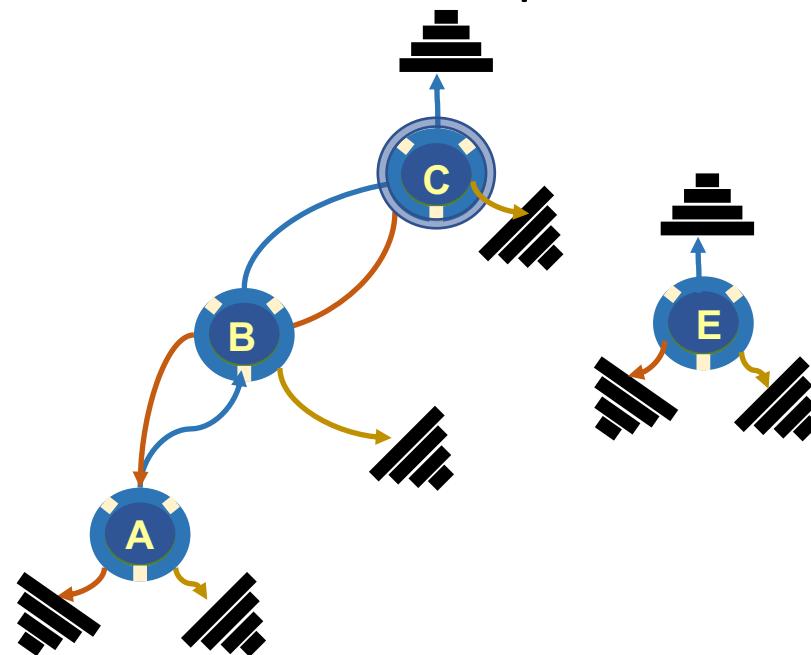
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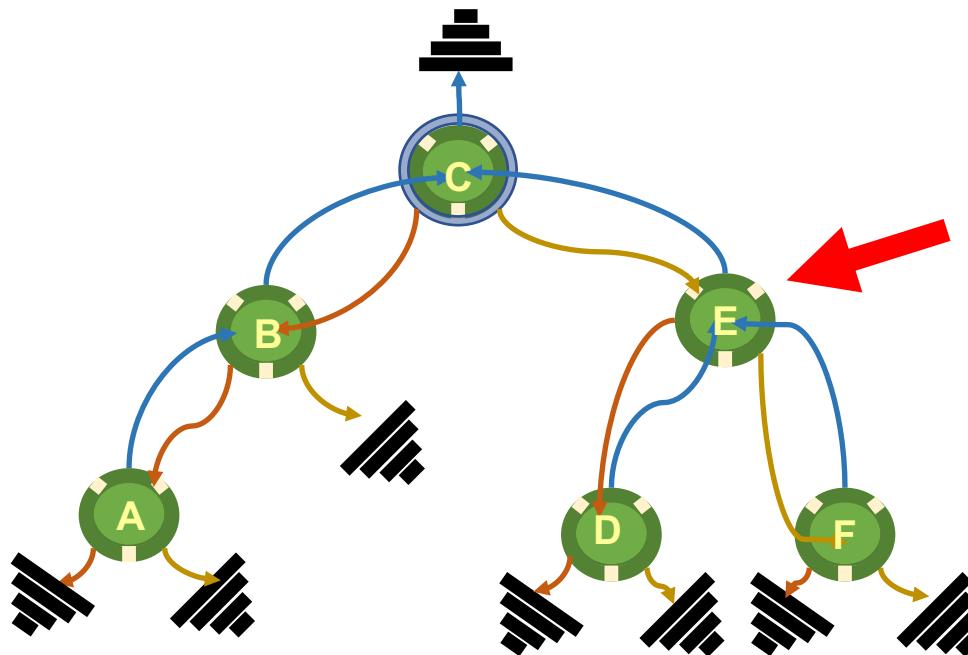
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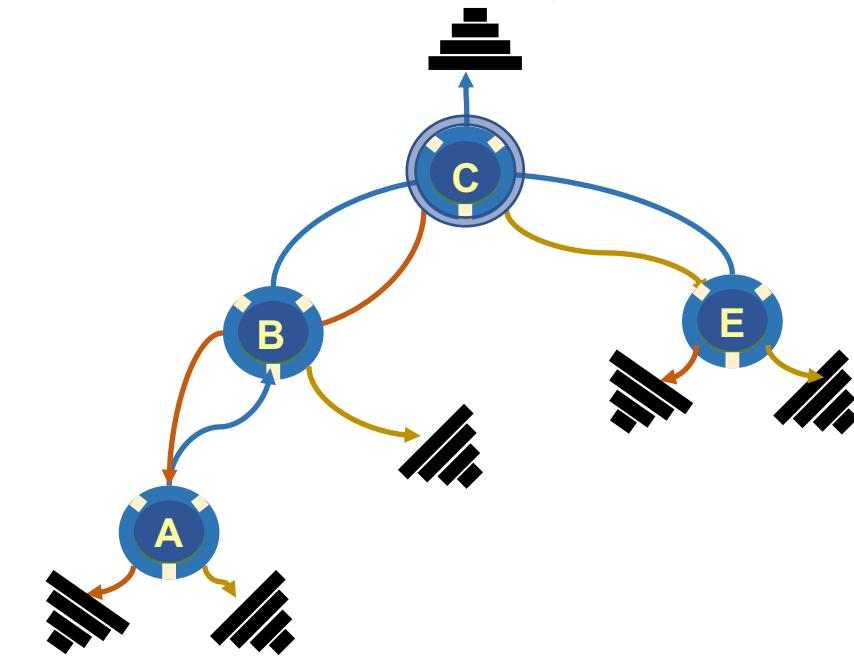
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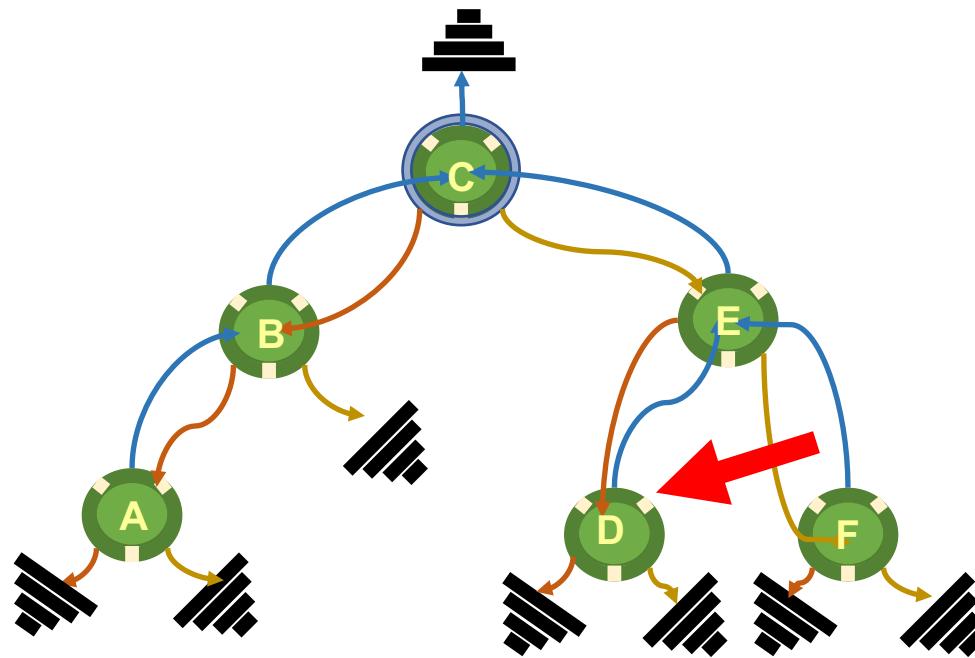
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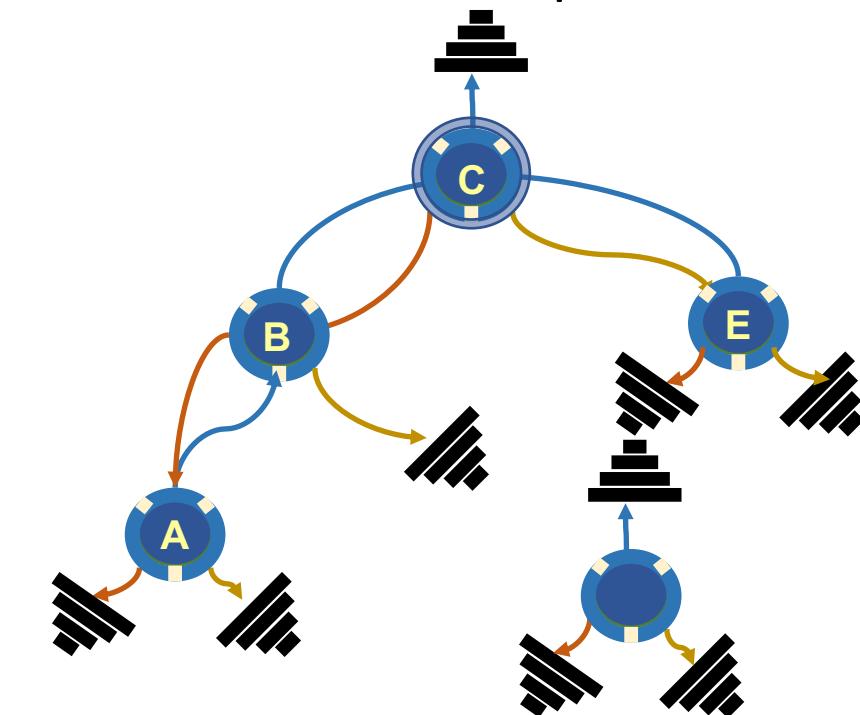
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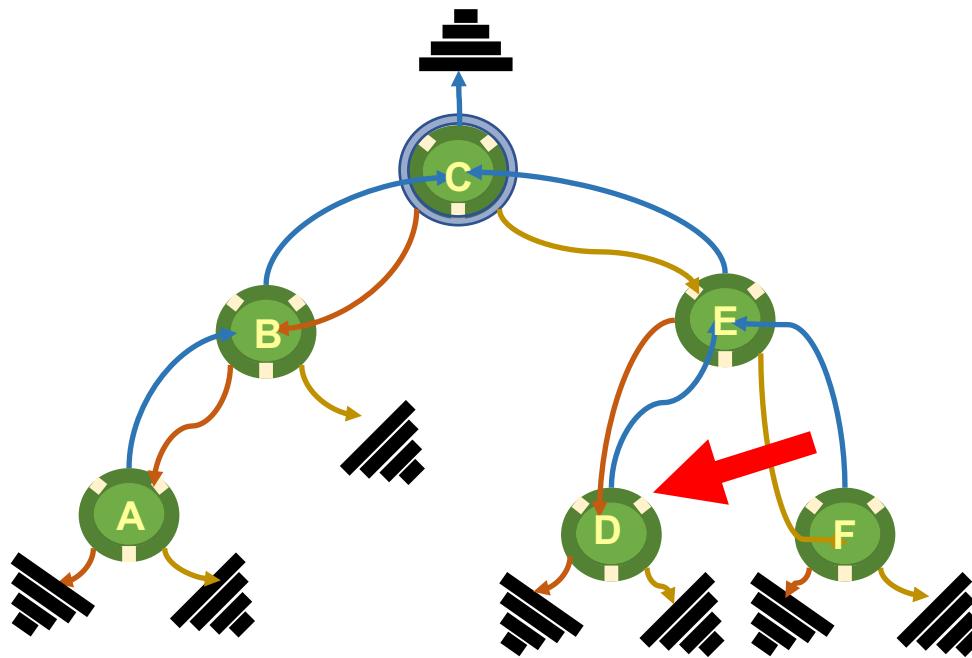
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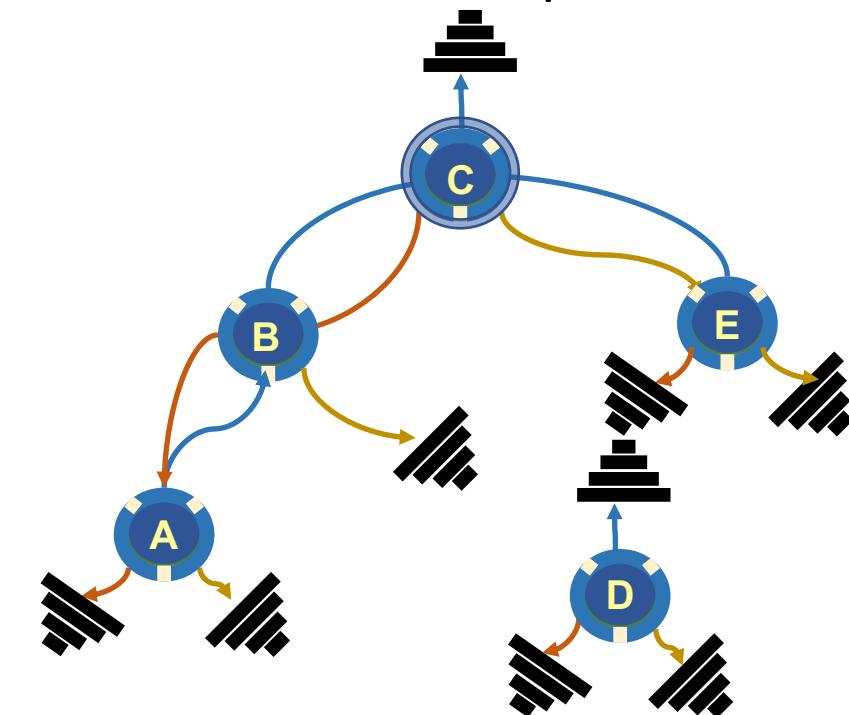
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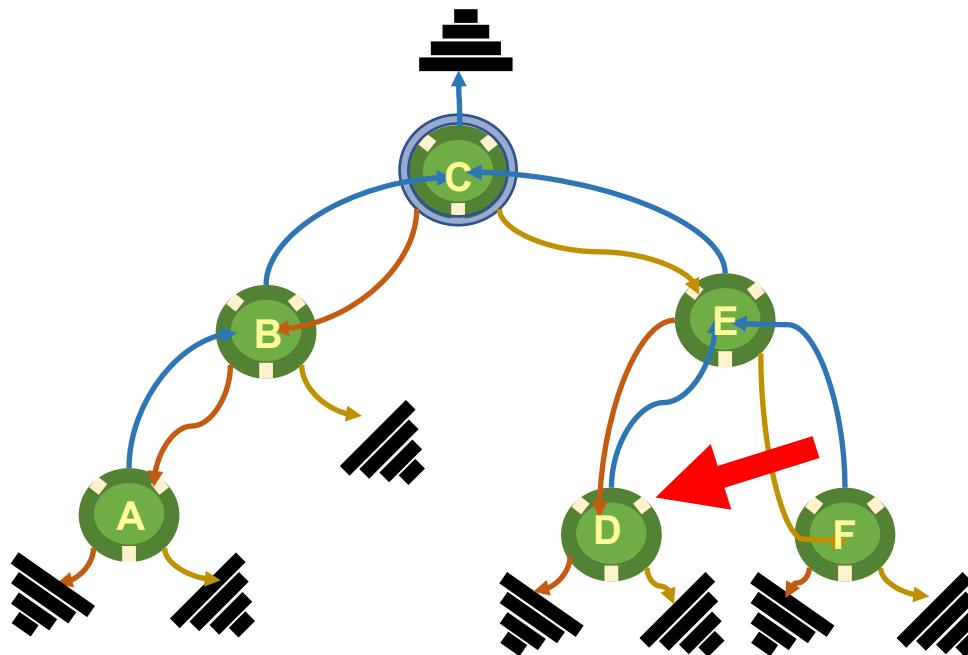
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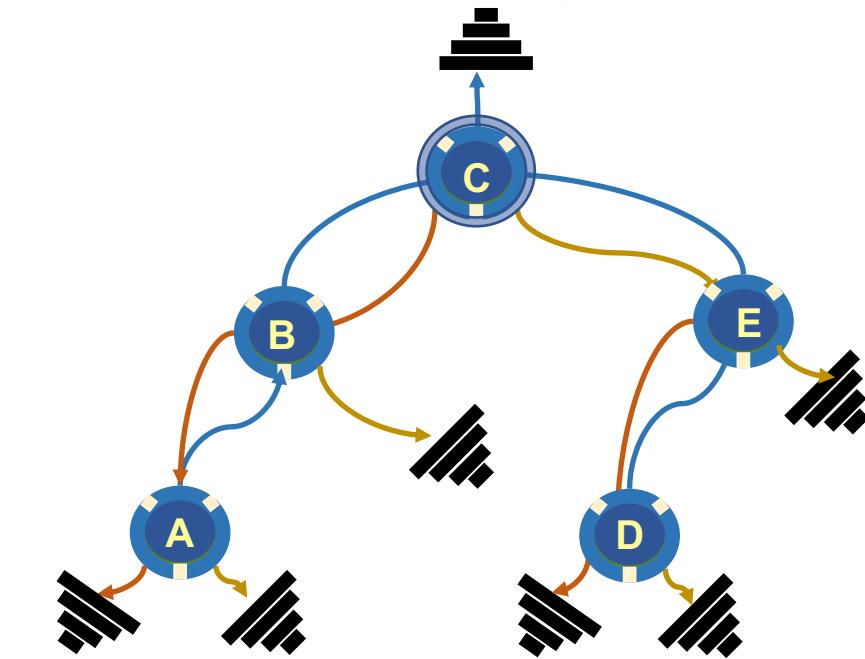
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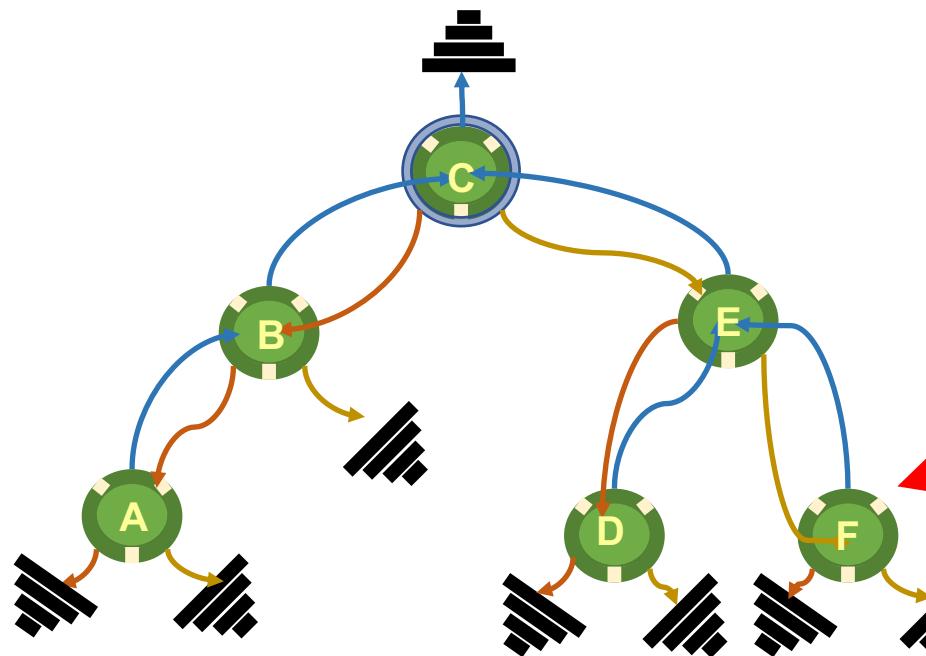
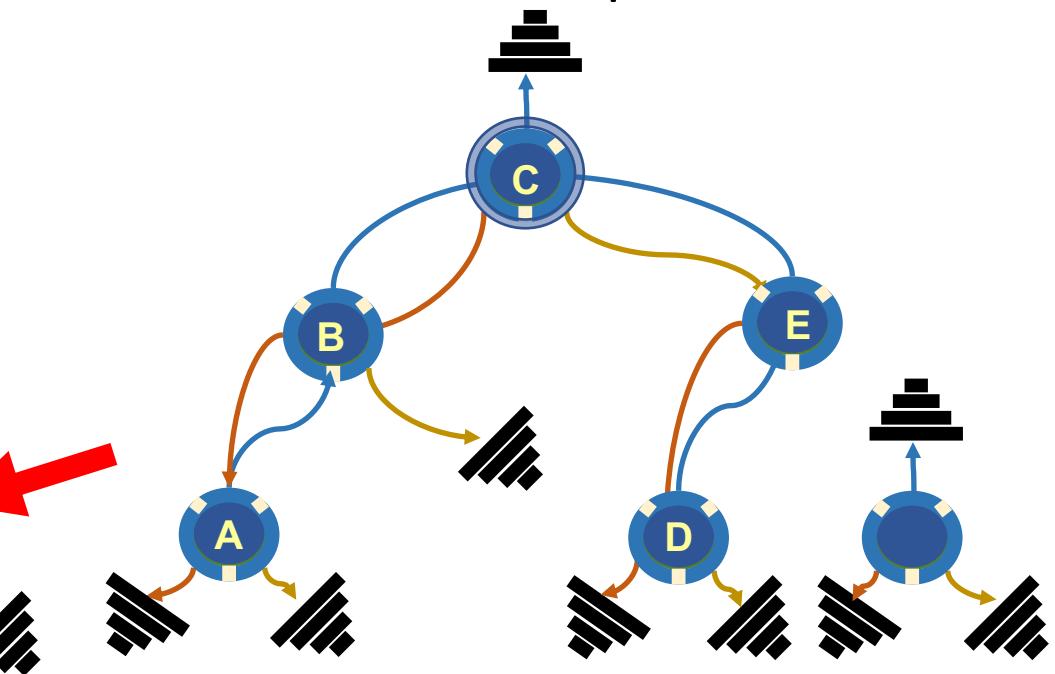


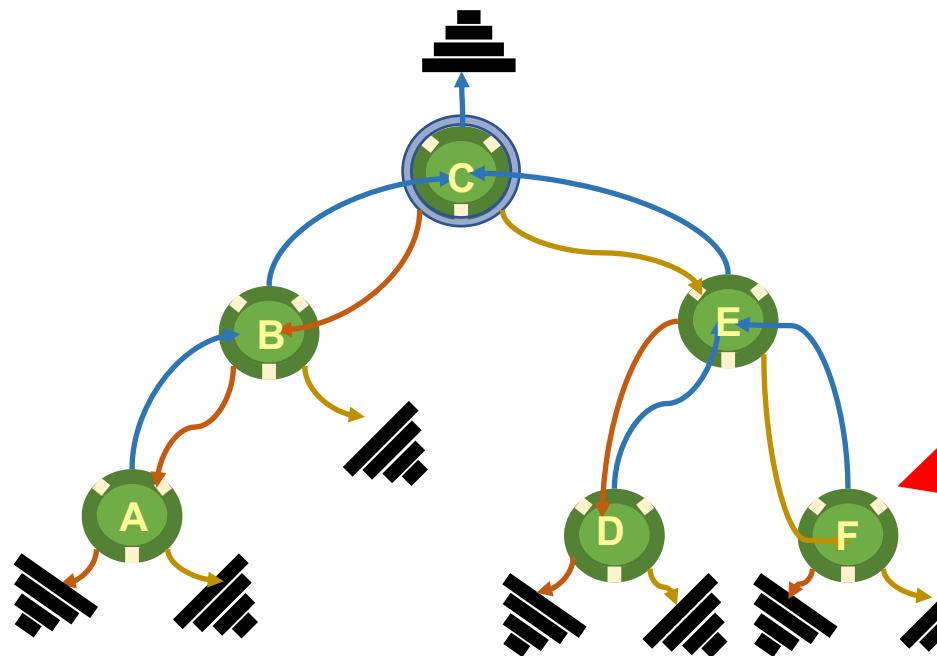
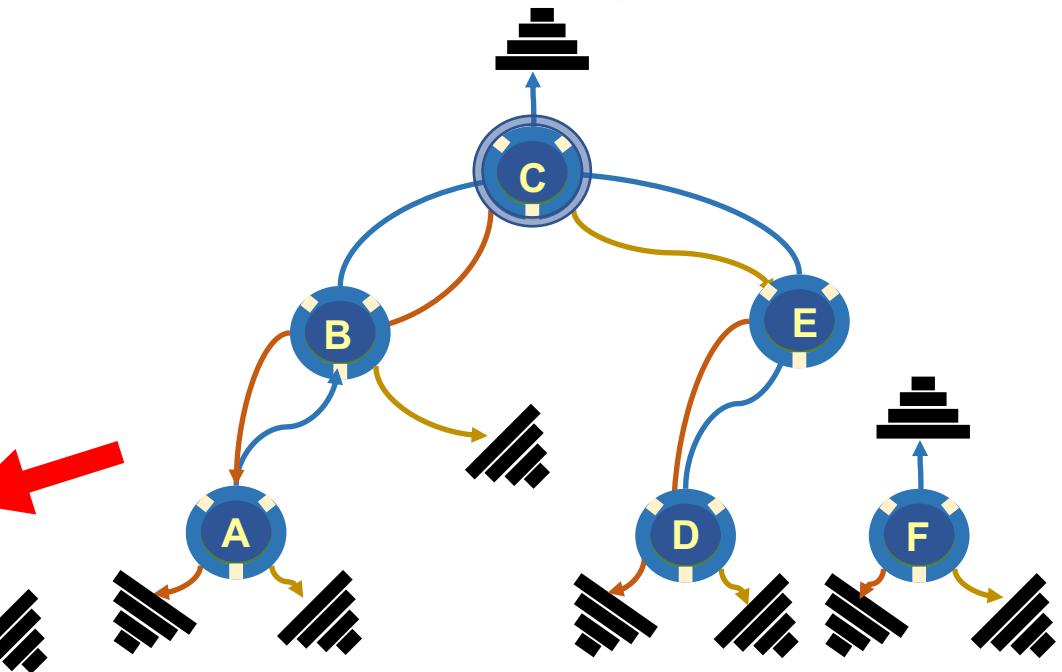
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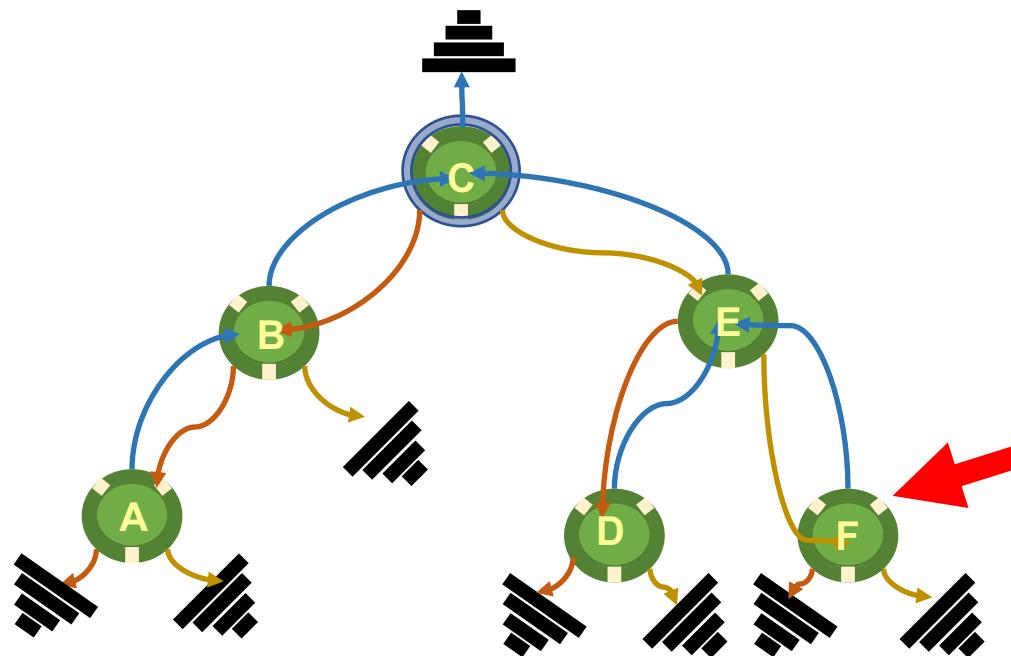
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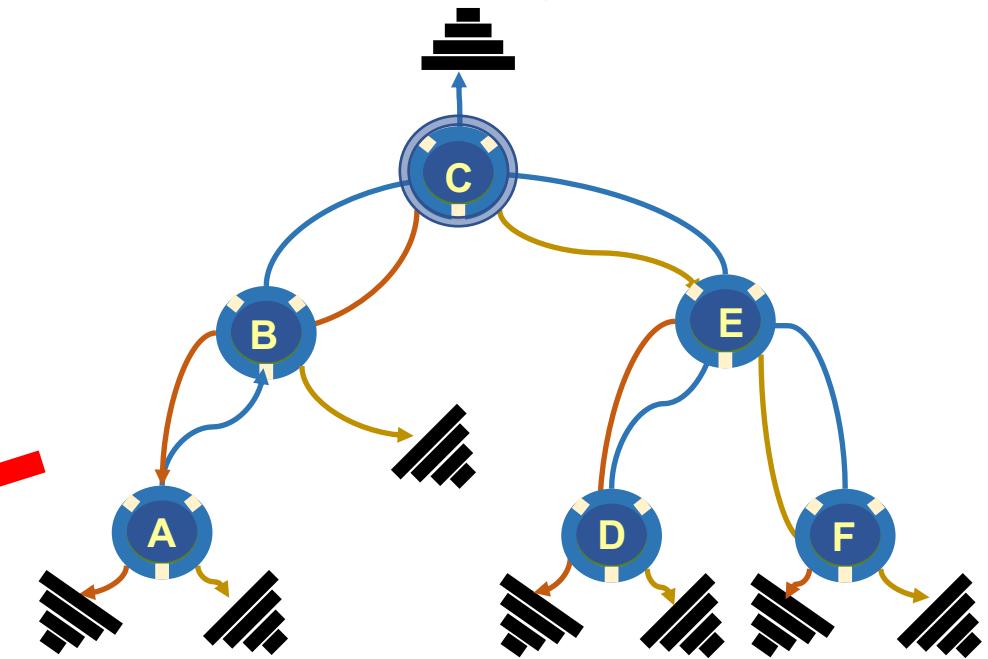
Arbre
originalArbre
còpia

Arbre
originalArbre
còpia

Arbre original



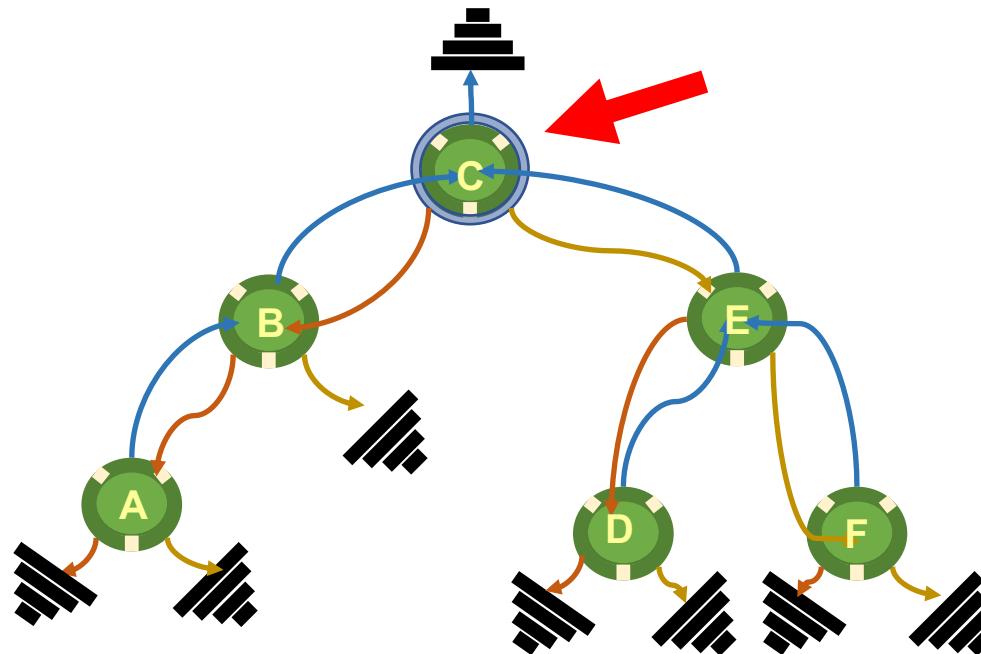
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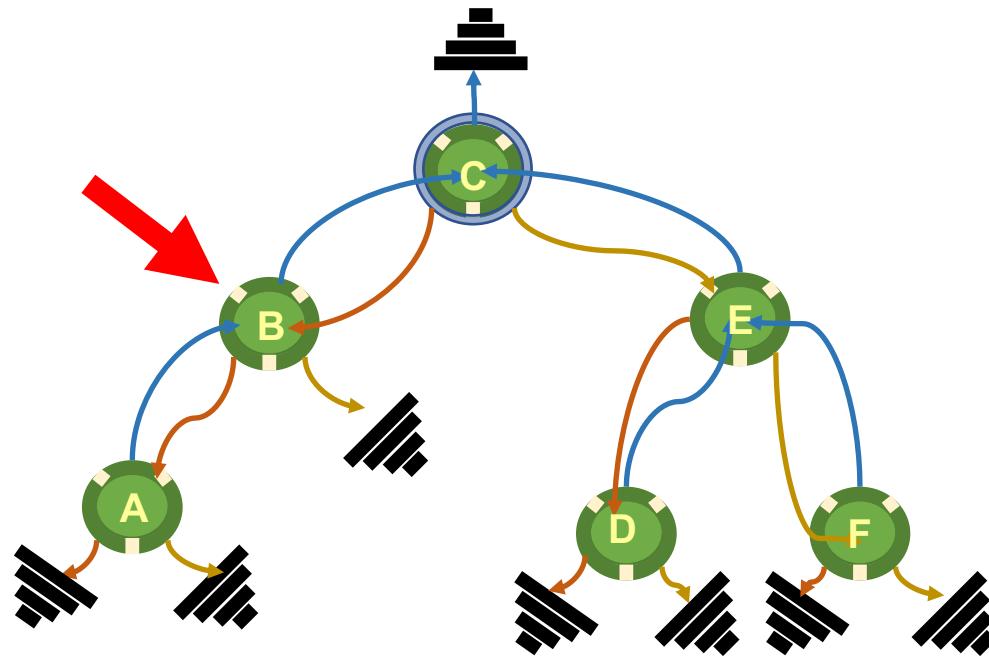


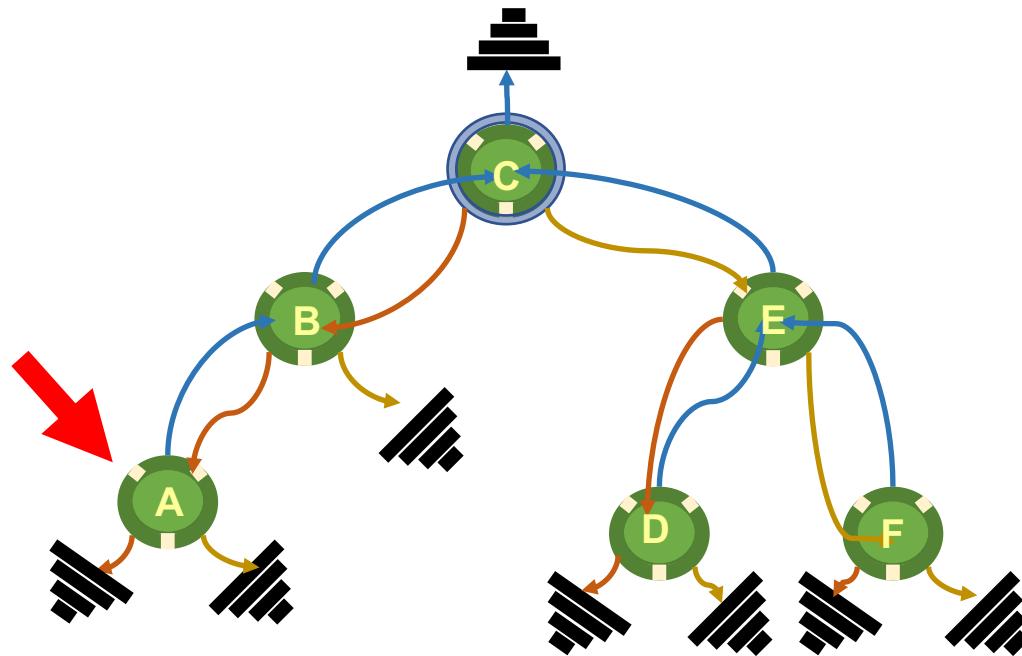
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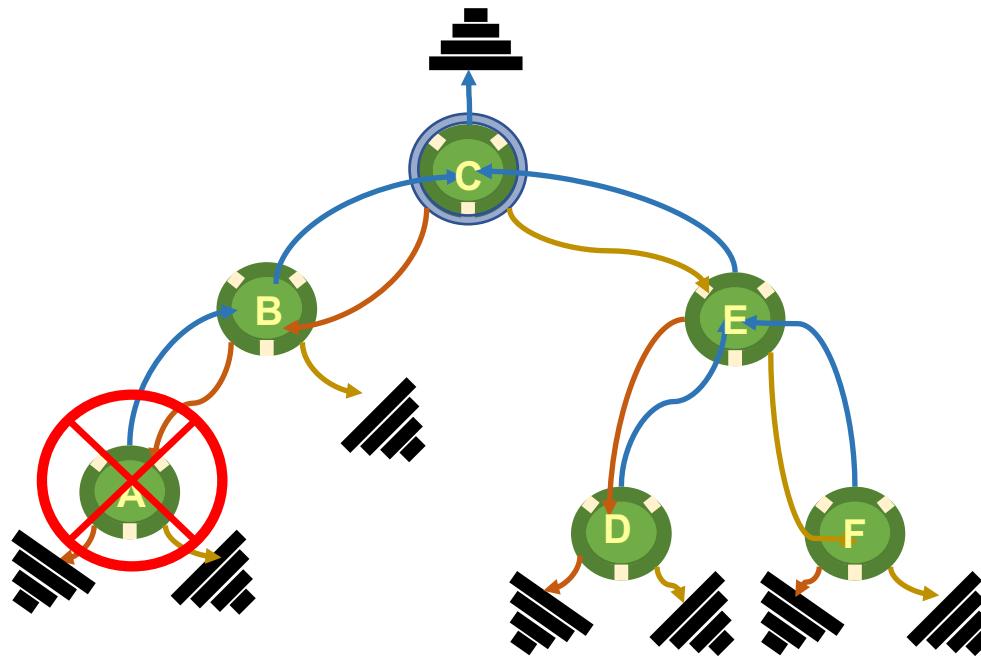
Destructor

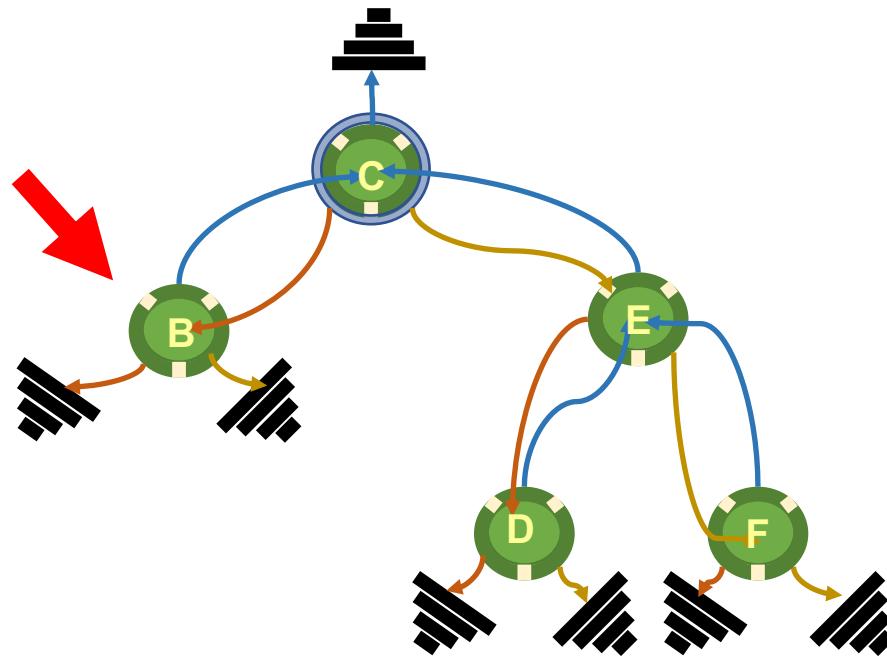


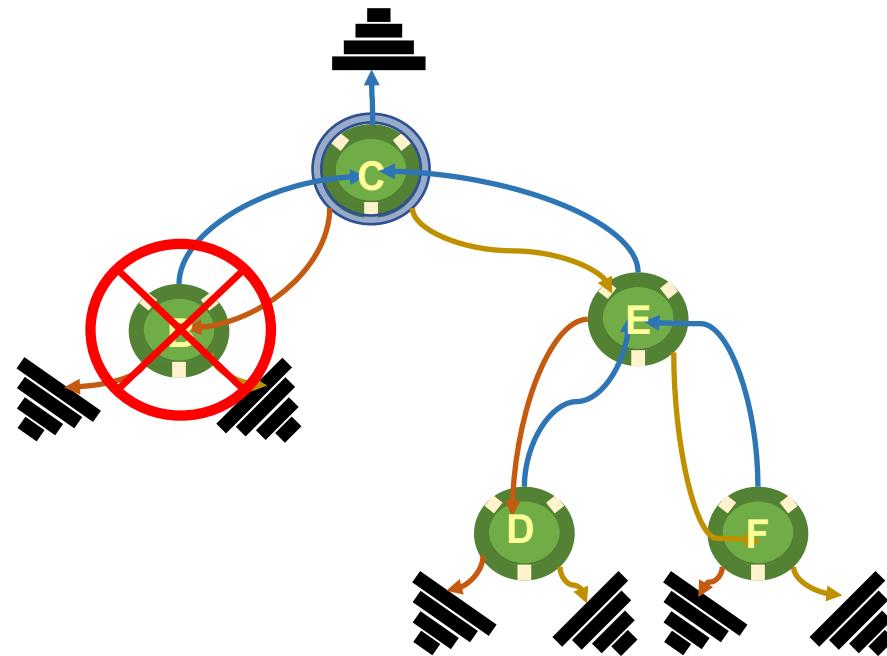
Recorrem l'arbre original en postordre

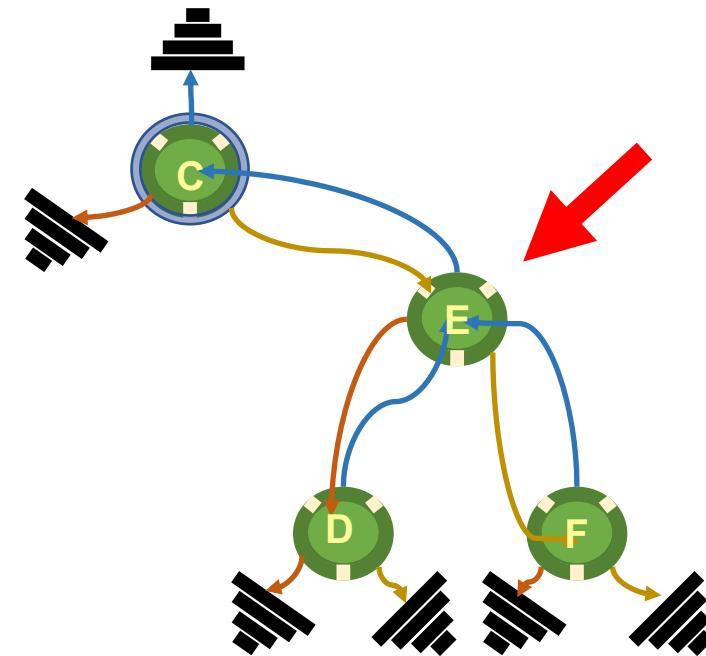


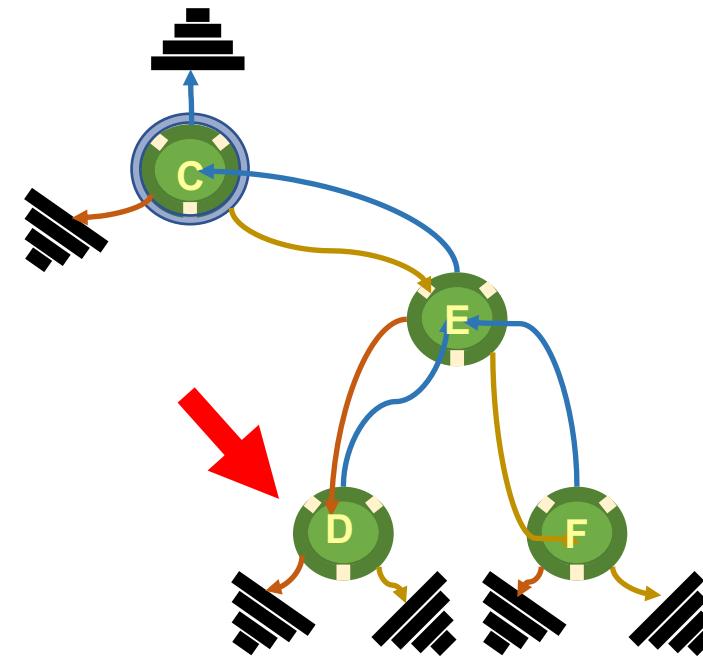


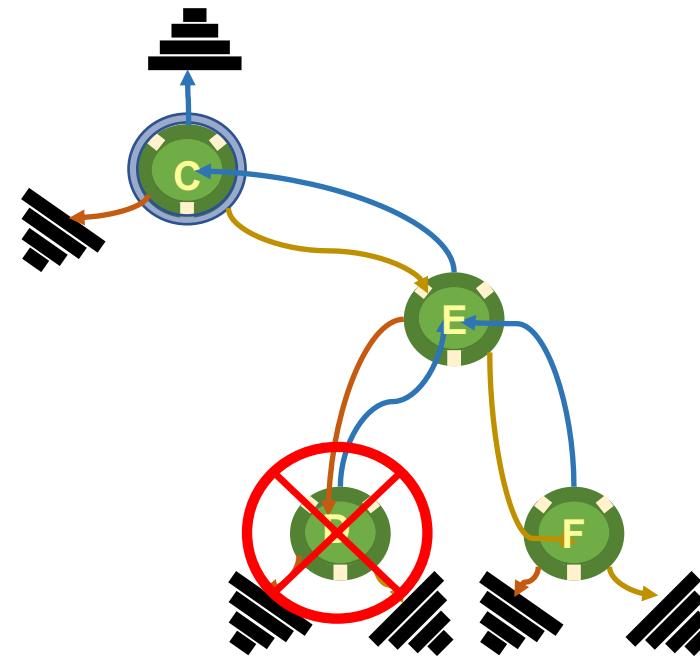


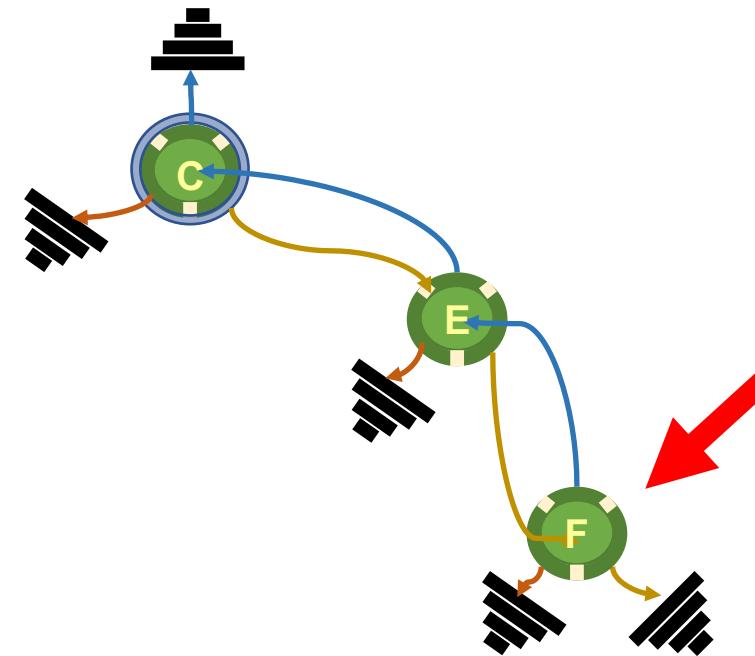


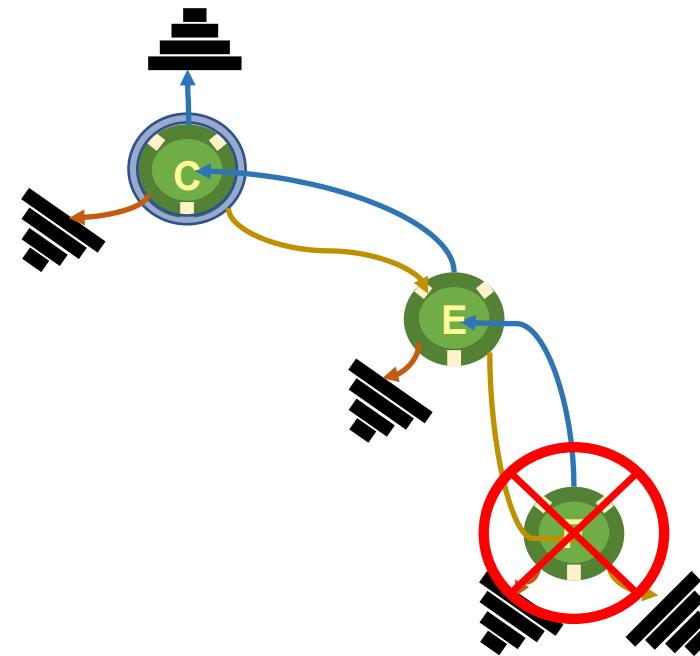


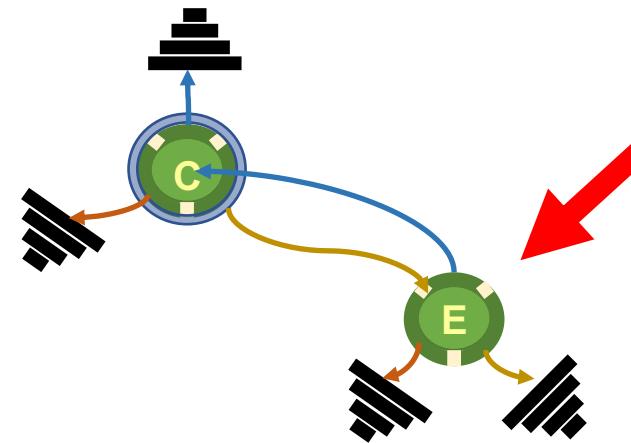


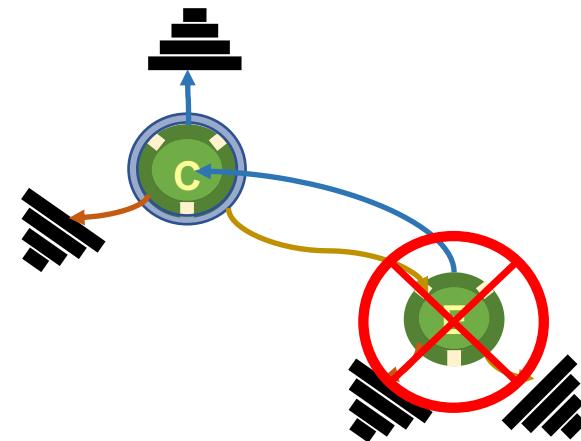














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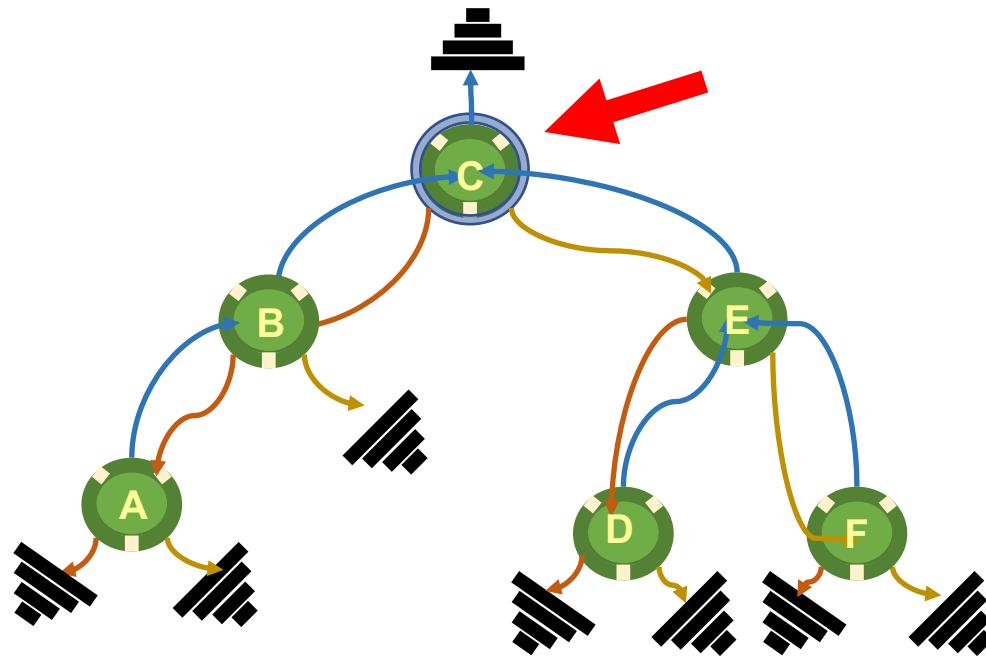


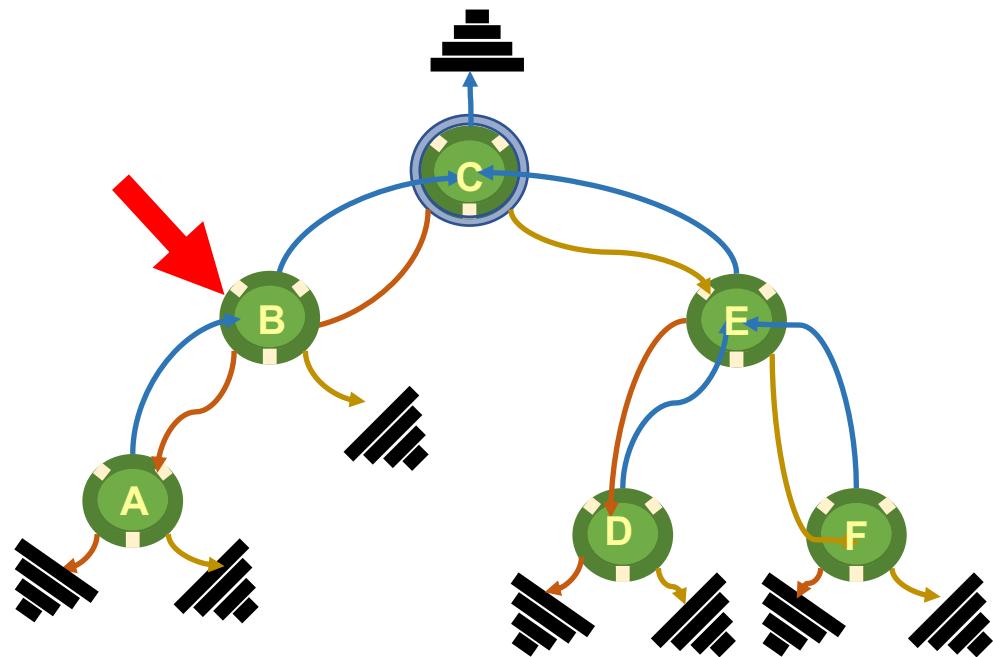


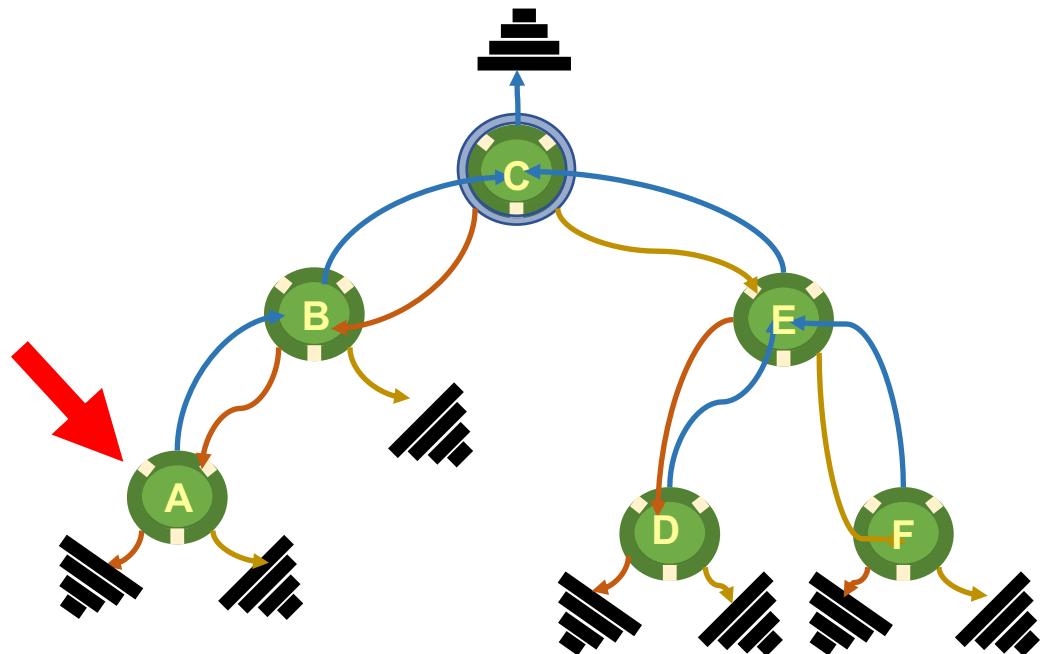
L'arbre ha desaparegut en la seva totalitat



Un exemple de recorregut: showInOrder

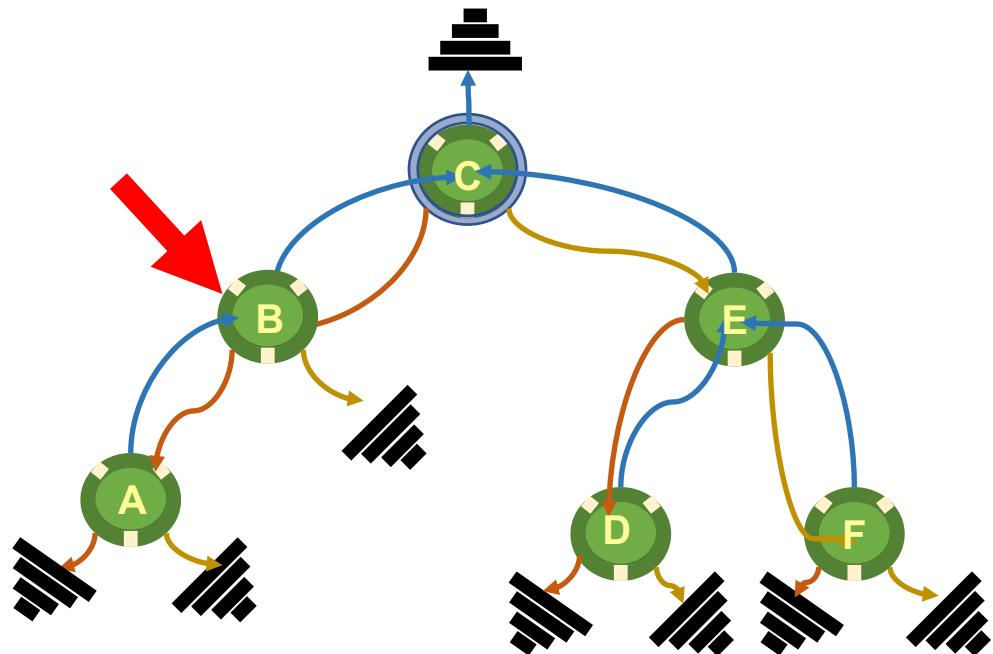






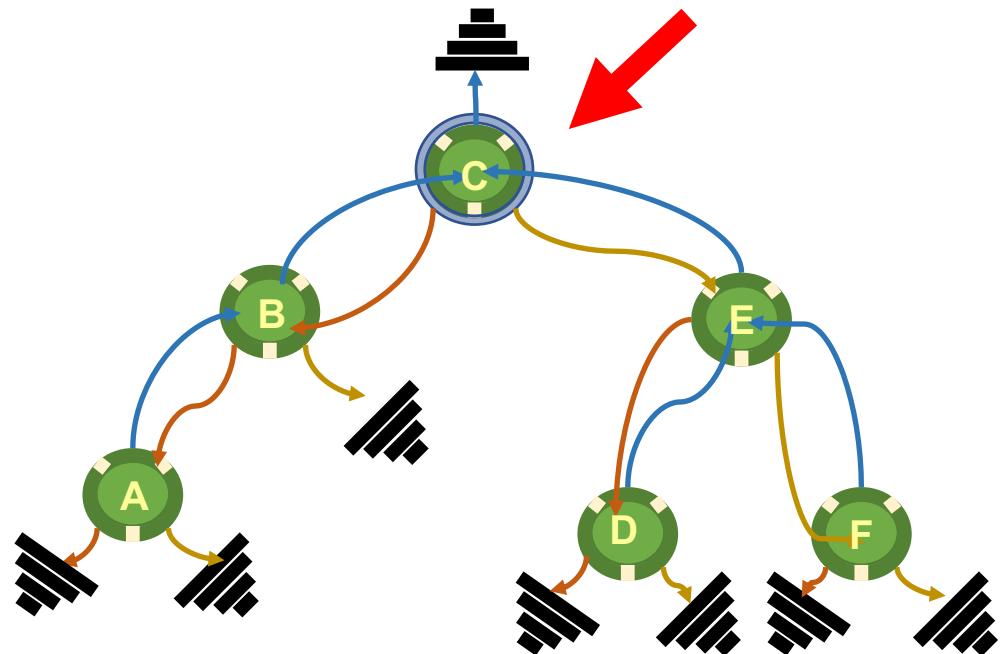
Sortida per pantalla

- Node A



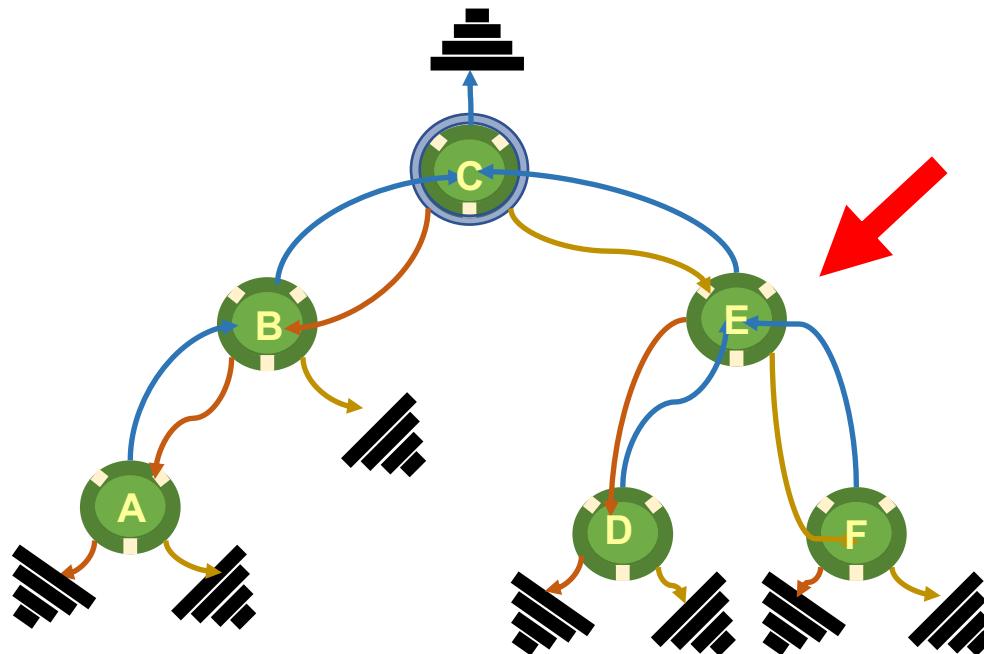
Sortida per pantalla

- Node A
- Node B



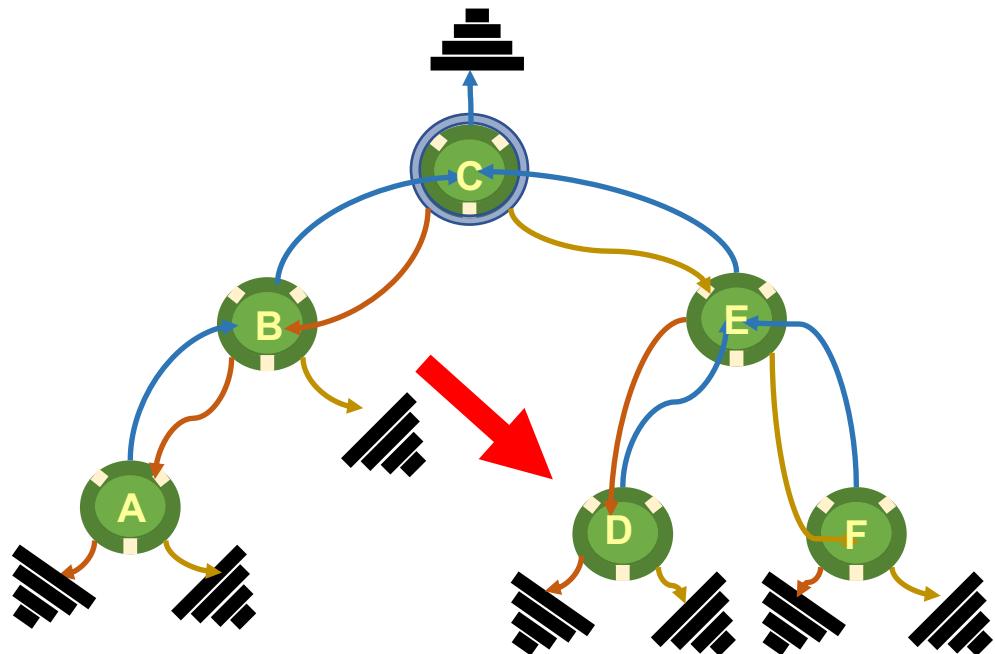
Sortida per pantalla

- Node A
- Node B
- Node C



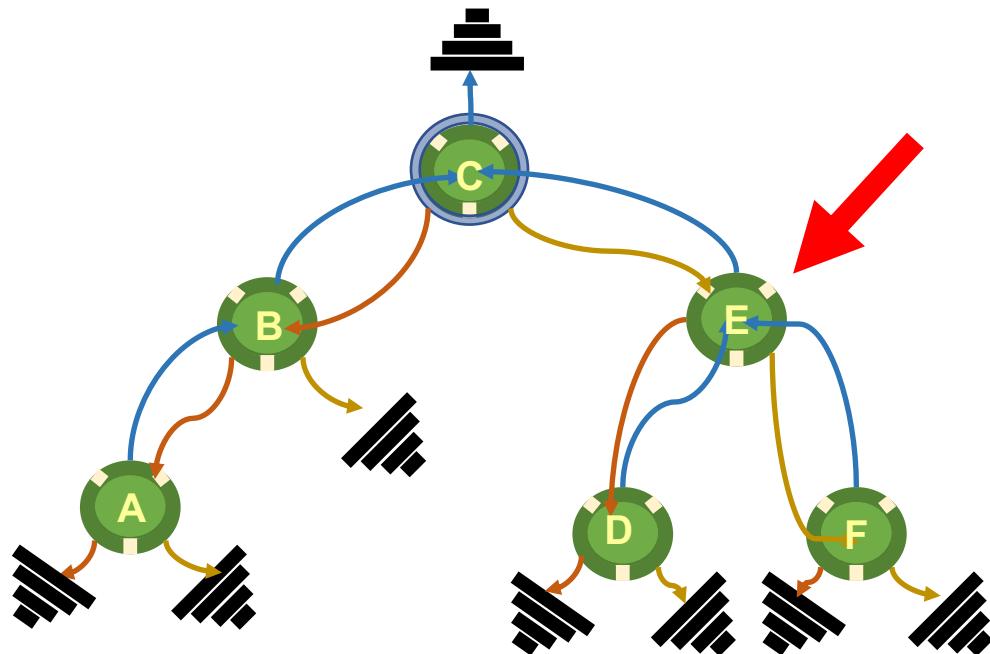
Sortida per pantalla

- Node A
- Node B
- Node C



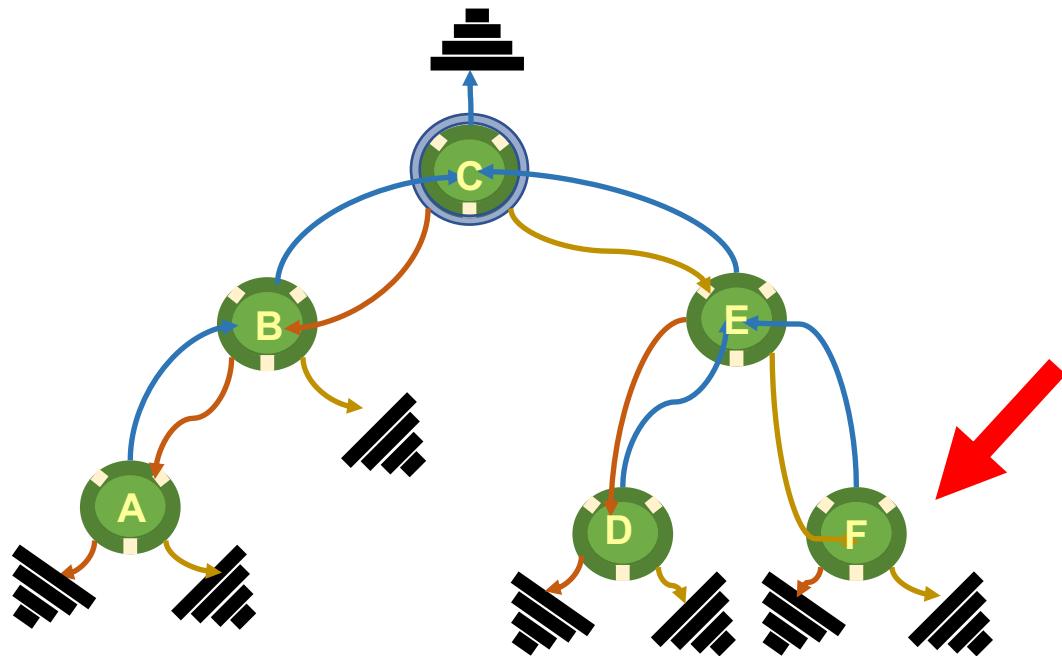
Sortida per pantalla

- Node A
- Node B
- Node C
- Node D



Sortida per pantalla

- Node A
- Node B
- Node C
- Node D
- Node E



Sortida per pantalla

- Node A
- Node B
- Node C
- Node D
- Node E
- Node F