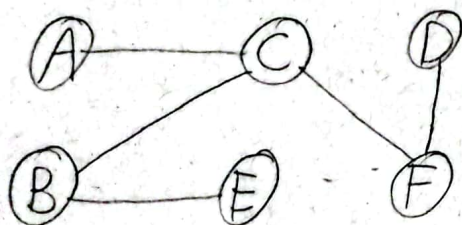
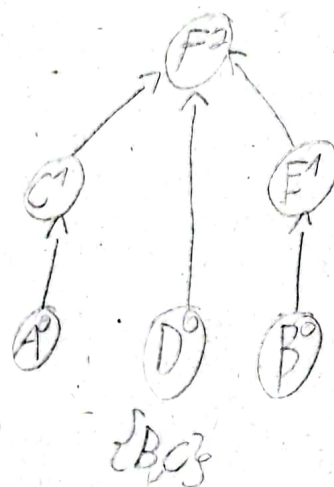
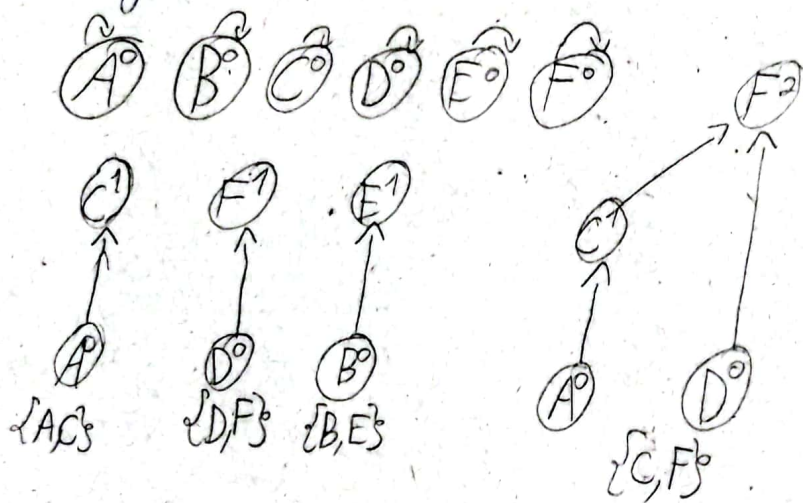


Algoritmos gulosos - Árvore Geradora mínima

Exercício: Sendo a função $W: \{i, j\} \rightarrow \mathbb{N}$, definida por:

$$\begin{aligned} W(\{a, b\}) &= 6 & W(\{c, d\}) &= 5 \\ W(\{a, c\}) &= 7 & W(\{c, e\}) &= 4 \\ W(\{a, d\}) &= 5 & W(\{d, e\}) &= 2 \\ W(\{b, c\}) &= 5 & W(\{e, f\}) &= 6 \\ W(\{b, e\}) &= 3 \end{aligned}$$

→ Algoritmo de Kruskal



→ Algoritmo de Prim

	A	B	C	D	E	F
$\{ \}$	0/nil	∞ /nil	∞ /nil	∞ /nil	∞ /nil	∞ /nil
$\{A\}$		6/A	1/A	5/A	∞ /nil	∞ /nil
$\{A, C\}$		5/C		5/A	6/C	4/C
$\{A, C, F\}$		5/C		2/F	6/C	
$\{A, C, F, D\}$		5/C			6/C	
$\{A, C, F, D, B\}$					3/B	
$\{A, C, F, D, B, E\}$						

