

Dependencias Funcionales Cierre Canónico

Dependencias Funcionales Cierre Canónico

- Base Canónica
- Cobertura Canónica
- Cierre Mínimo
- Cierre Irreductible
- ...

Cierre Canónico

$R(A, B, C, D)$

$B \longrightarrow A$
 $AD \longrightarrow BC$
 $C \longrightarrow ABD$

¿ Redundancia ?
 ¿ Información Innecesaria ?
 Conjunto Mínimo de atributos

Cierre Canónico

$$\begin{array}{c} \alpha \rightarrow \beta\gamma \\ \swarrow \quad \searrow \\ \alpha \rightarrow \beta \quad \alpha \rightarrow \gamma \end{array}$$

~~$$\alpha\beta \rightarrow : \begin{bmatrix} \alpha & \gamma \\ \beta & \gamma \end{bmatrix}$$~~

Cierre Canónico

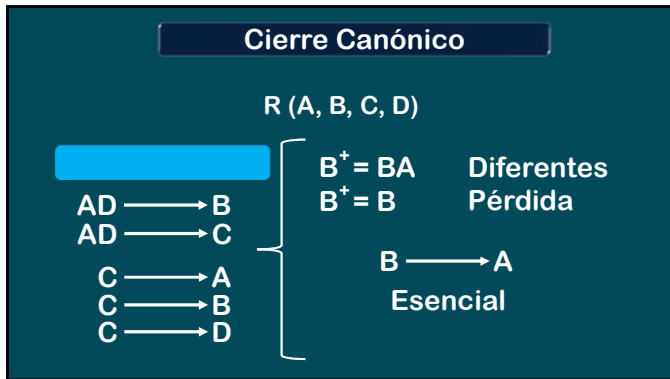
R (A, B, C, D)

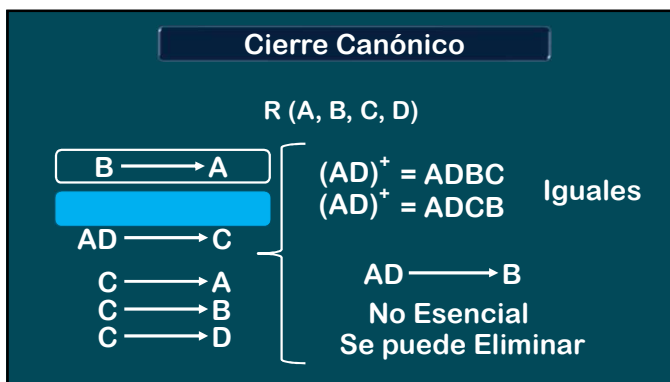
$$\begin{array}{lcl} B & \longrightarrow & A \\ AD & \longrightarrow & BC \\ C & \longrightarrow & ABD \end{array}$$

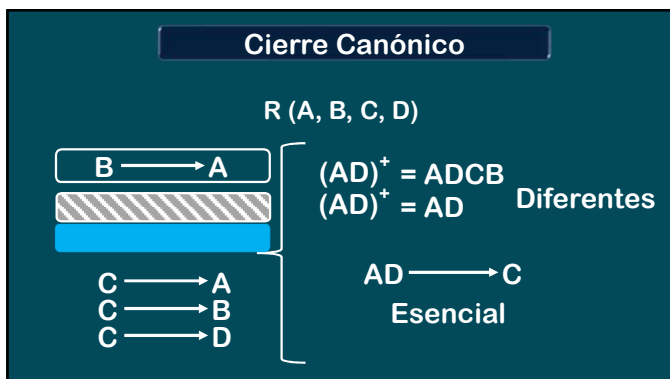
Cierre Canónico

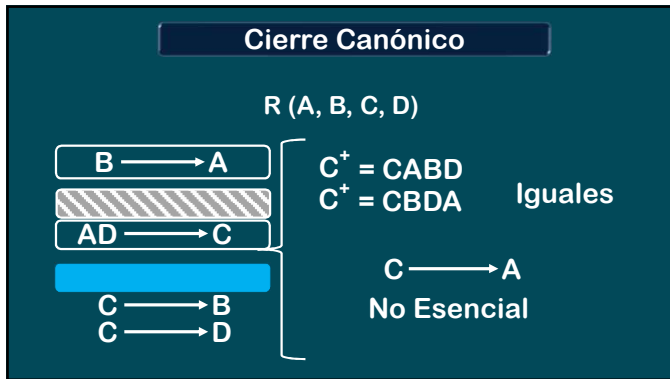
R (A, B, C, D)

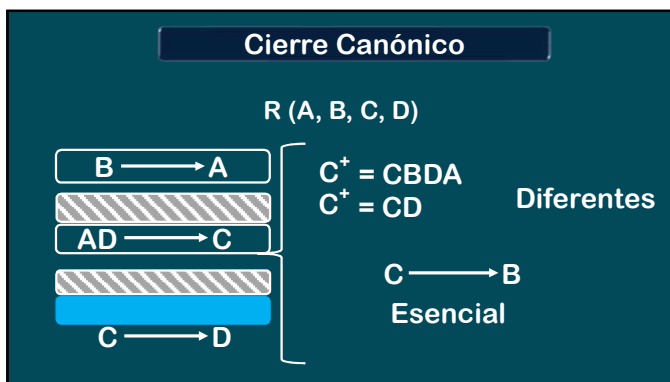
B \longrightarrow A	{	B \longrightarrow A
AD \longrightarrow BC		AD \longrightarrow B
C \longrightarrow ABD		AD \longrightarrow C
		C \longrightarrow A
		C \longrightarrow B
		C \longrightarrow D

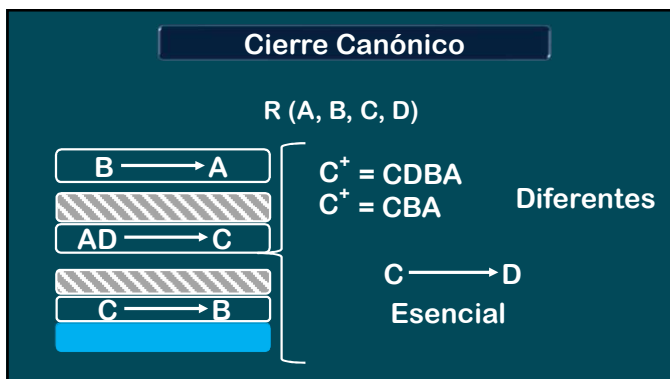


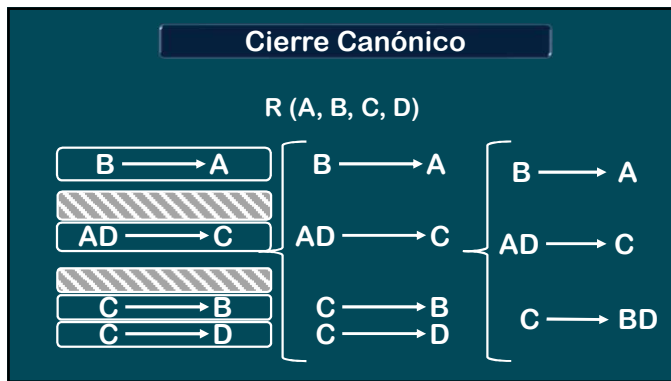


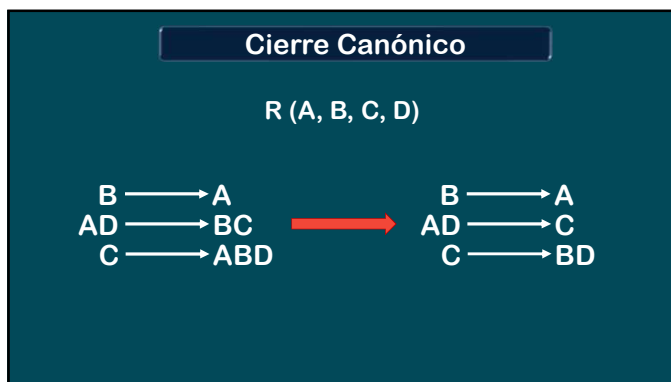


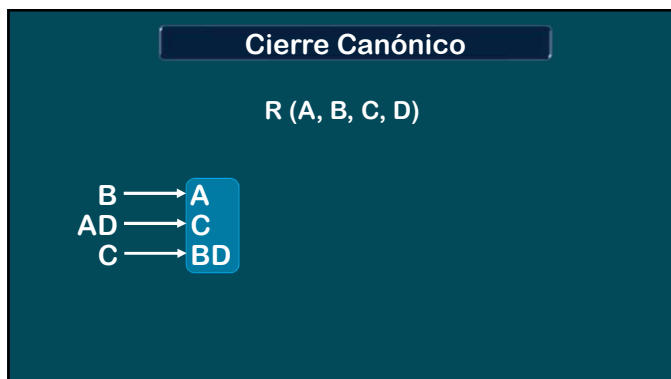






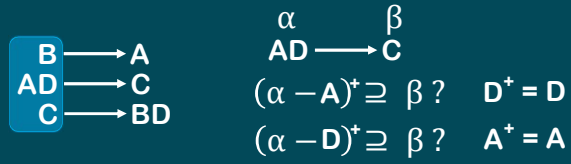






Cierre Canónico

$R(A, B, C, D)$



Cierre Canónico

$R(A, B, C, D)$



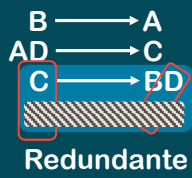
Cierre Canónico

$R(A, B, C, D)$



Cierre Canónico

$R(A, B, C, D)$



$$\begin{aligned} \text{C} &\rightarrow \text{D} \\ B^+ &= BA \\ C^+ &= CBDA \end{aligned}$$
