

Dependencias:

| | |
|-------------------|---|
| $X \rightarrow W$ | $B \rightarrow X$ |
| $Y \rightarrow Z$ | $B \rightarrow Y$ |
| $W \rightarrow X$ | $B \rightarrow W$ |
| $Z \rightarrow Y$ | $B \rightarrow Z$ |
| $X \rightarrow A$ | $B \rightarrow A$ |
| $Y \rightarrow A$ | $\{X, Y\} \rightarrow W, Z, A$ |
| $W \rightarrow A$ | $\{X, Y, B\} \rightarrow X, Y, Z, W, A$ |
| $Z \rightarrow A$ | $\{W, Z\} \rightarrow X, Y, A$ |

Cláusulas:

| | |
|--|--|
| $X^+ \rightarrow \{X\}$ | $X Y A^+ \rightarrow \{X, W, Y, Z, A\}$ |
| $X^+ \rightarrow \{X, W, A\}$ | $W A^+ \rightarrow \{W, X, A\}$ |
| $W^+ \rightarrow \{W\}$ | $X Y Z^+ \rightarrow \{X, W, A, Y, Z\}$ |
| $W^+ \rightarrow \{W, X, A\}$ | $B W X Y Z A^+ \rightarrow \{B, W, X, Y, Z, A\}$ |
| $Y^+ \rightarrow \{Y\}$ | |
| $Y^+ \rightarrow \{Y, Z, A\}$ | |
| $Z^+ \rightarrow \{Z\}$ | |
| $Z^+ \rightarrow \{Z, Y, A\}$ | |
| $B^+ \rightarrow \{B\}$ | |
| $B^+ \rightarrow \{B, X, Y, W, Z, A\}$ | |

Método: $B W X Y Z A^+ \rightarrow \{B, W, X, Y, Z, A\}$

Atributos Principales

↓
 $\{B\}$

CK

↓
 B

→ Por ende se trata de la PK

1FN: (Contexto real)

- No hay grupos de repetición
- Los valores son atómicos
- La PK es $\{x, y\} \rightarrow \{w, z, A, B\}$

2FN:

- Se separan los contextos

| PK | | B |
|----------|-----------|---------------|
| X | Y | |
| Staff No | branch No | hour Per Week |
| 54555 | B002 | 16 |
| 54555 | B004 | 9 |
| 54612 | B002 | 14 |
| 54612 | B004 | 16 |

Branch Info

| PK | | Z |
|----------|-----------|-------------------|
| Staff No | branch No | branch Address |
| 54555 | B002 | City Center Plaza |
| 54555 | B004 | 16 - 14th |
| 54612 | B002 | City Center Plaza |
| 54612 | B004 | 16 - 14th |

Staff Info

| PK | | W | A |
|----------|-----------|-------|-----------|
| Staff No | branch No | name | Position |
| 54555 | B002 | Ellen | Assistant |
| 54555 | B004 | Ellen | Assistant |
| 54612 | B002 | Dave | Assistant |
| 54612 | B004 | Dave | Assistant |