

# Tarea 19

Partiendo de:

staffNo	name	position	salary	branchNo	branchAddress	telNo
S1500	Tom Daniels	Manager	46,000	B001	8 Jefferson Way, Portland...	503-550-3...
S0003	Sally Adams	Assistant	30,000	B001	8 Jefferson Way, Portland...	503-555-3...
S0010	Mary Martinez	Manager	50,000	B002	City Center Plaza, Seattle...	206-555-6...
S3250	Robert Chin	Supervisor	32,000	B002	City Center Plaza, Seattle...	206-555-6...
S2250	Sally Stern	Manager	48,000	B004	16-14th Avenue, Seattle...	206-555-3...
S0415	Art Peters	Manager	41,000	B003	14-8th Avenue, New York...	212-371-3...

- Encontrar todas las CKs
- Determinar el conjunto de APs
- Indicar la PK
- Normalizar hasta 3FN



→ Dependencias

$$A \rightarrow \{B, C, D, E, F, G\}$$

mejor...

$$A \rightarrow \{B, C, D\}$$

$$E \rightarrow \{F, G\}$$

→ Cerraduras

$$A \rightarrow \{B, C, D, E, F, G\}$$

$$A \rightarrow \{B, C, D, E, F, G\}$$

$$A \rightarrow \{B, C, D, E, F, G\}$$

$$A^+ \rightarrow \{B, C, D\}$$

$$A \rightarrow \{B, C, D\}$$

$$E^+ \rightarrow \{F, G\}$$

No mfn, mas

$$CK: \{A, E\}$$

$$PK: AE$$

→ Como no hay transitivas, ya cumple la 3FN.

→ Normalización

$$A \rightarrow \{B, C, D\}$$

staffNo	name	position	salary
S1500	Tom Daniels	Manager	46,000
S0003	Sally Adams	Assistant	30,000
S0010	Mary Harding	Manager	50,000
S3250	Robert Chin	Supervisor	32,000
S2250	Sally Stern	Manager	48,000
S0415	Art Peters	Manager	41,000



Ruiz Aguilar Cristian Javier

D

M

A

Scribe

$E \rightarrow \{F, G\}$

<u>branch No</u>	<u>branch Address</u>	<u>tel No</u>
B001	8 Jefferson Way, Portland, OR 97201	503-555-8618
B002	City Center Plaza, Seattle, WA 98122	206-555-6736
B003	14-8th Avenue, New York, NY 10012	212-371-3000
B004	16-14th Avenue, Seattle, WA 98128	206-555-3131

A, E

staff No      branch No

S1500      B001

S0003      B001

S0010      B002

S3250      B002

S2250      B004

S0415      B003