

x	y	z	w	A	B
staffNo	branchNo	branchAddress	name	position	hoursPerWeek
S4555	B002	City Center Plaza, Seattle, WA 98122	Ellen Layman	Assistant	16
S4555	B004	16 - 14th Avenue, Seattle, WA 98128	Ellen Layman	Assistant	9
S4612	B002	City Center Plaza, Seattle, WA 98122	Dave Sinclair	Assistant	14
S4612	B004	16 - 14th Avenue, Seattle, WA 98128	Dave Sinclair	Assistant	10

$x \rightarrow wA$

$y \rightarrow z$

$xy \rightarrow B$

$x^+ \rightarrow \{x, w, A\}$

SK

$xyA^+ \rightarrow \{x, y, A, w, z, B\}$

$y^+ \rightarrow \{y, z\}$

$z^+ \rightarrow \{z, y\}$

$wA^+ \rightarrow \{w, A, x\}$

$w^+ \rightarrow \{w, x, A\}$

$A^+ \rightarrow \{A\}$

CK PK SK

$xyz^+ \rightarrow \{x, y, z, w, A, B\}$

$B^+ \rightarrow \{B\}$

1FN

a) se observan datos repetidos

staffNo se puede ver como una PK para una tabla PROPIETARIO

PROPIE

staff No, name, position

staffNo	name	position
S4555	Ellen Layman	Assistant
S4555	Ellen Layman	Assistant
S4612	Dave Sinclair	Assistant
S4612	Dave Sinclair	Assistant

branchNo se puede ver como PK de branch por lo que se podria ver como

BRANCH

branchNo	branchAddress
B002	City Center Plaza, Seattle, WA 98122
B004	16 - 14th Avenue, Seattle, WA 98128
B002	City Center Plaza, Seattle, WA 98122
B004	16 - 14th Avenue, Seattle, WA 98128

Asi mismo hours per week depende de branch No y staffNo

BRANCH HOURS

staffNo	branchNo	hoursPerWeek
S4555	B002	16
S4555	B004	9
S4612	B002	14
S4612	B004	10

PROPIE

staff No, name, position

PK

staffNo	name	position
S4555	Ellen Layman	Assistant
S4555	Ellen Layman	Assistant
S4612	Dave Sinclair	Assistant
S4612	Dave Sinclair	Assistant

* La PK al ser de un solo atributo, por lo tanto no pueden ser parcialmente dependientes

BRANCH

PK

branchNo	branchAddress
B002	City Center Plaza, Seattle, WA 98122
B004	16 - 14th Avenue, Seattle, WA 98128
B004	16 - 14th Avenue, Seattle, WA 98128
B004	16 - 14th Avenue, Seattle, WA 98128

* La PK al ser de un solo atributo, por lo tanto no pueden ser parcialmente dependientes

BRANCH HOURS

staffNo	branchNo	hoursPerWeek
S4555	B002	16
S4555	B004	9
S4612	B002	14
S4612	B004	10

En este caso horas depende de la combinación de staff y branch

∴ cumple 2FN