

(N,K,L) → ABCDEFGHIJMNOP looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF
(N,K,L)⁺ = ABCDEFGHIJKLMNOPQ therefore (N,K,L) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.

TEAMS:	
Team name	
A	team ID project ID
B	C
B → A	looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF
(B) = ABC	therefore (A) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.

head office:

CEO SSN	website	email	id
A	B	C	D

D → ABC
(D) = ABCD

looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF
therefore (D) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.

warehouse	
id	Maximum capacity
A	B
A → B	looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF
(A) ⁺ = AB	therefore (A) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.

id	client name	contact name	address	city	country	province	postal code	email	phone number
A	B	C	D	E	F	G	H	I	J
A → BCDEFGHIJ	looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF								
(A) = ABCDEFGHIJ	therefore (A) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.								

Purchase	quantity	unit price
id	B	C
A → BC	looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF	
(A) ⁺ = ABC	therefore (A) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.	

Job Position position ID	jobTitle
A	B
A → B	looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF
(A) ⁺ = AB	therefore (A) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.

researchAssignment project ID	company ID	researcher_SSN	position	startDate	endDate	totalHours
A	B	C	D	E	F	G
ABCD --> EFG						
(ABCD) = ABCDEFG						

looking at the FD we can see that it is not a trivial FD so it does not satisfy the first condition of 3NF therefore (ABCD) is candidate key and super key therefore we can say that it is in 3NF and because it satisfied this condition therefore it is in BCNF also.