9: you miss the final exame

a) 7p: you don't have the flu

b) pro you have the flu and you muss the

final

you miss the final exam because

you have the flu

Jou have the flu

P => 9 = (Pn 8) V (7Pn - 2) PGS 8 = (P19) V (7P179)

N(x): x hus vis. t. J North Dakola a) Ix N(x): there exists a student in you class has visited North Dakota IX TINIXI: Here exists a student in your class decon't visited N.D.

7 Fx N(K): No student inclass

has sisited N.D.

x: student C(x1: x has a cal Dixi: x has a dog A student has a cat and a dog. Jx (C(x1 ~ D(x))

for every x real number, and for every Neal numbers y, there exists a real muches & such theel x = 9-2

Show square of even number is even number

n is even -> n² is even

n is even =>

n = 2k

n² = (2k)²

= 4k²

= 2 (2k)

: nis even => n² is also even

: nis even => n² is also even

vens diregram

A, B --- set

a,, a,, -- or b, b. -- are elements.

ANB, AUB, A-B, AXB &

AUĀ = U ANĀ= &

ACB: let x ∈ A, then x ∈ B.

$$A = \{1, 2, 3, 0, 5\}$$
 $B = \{6, 7, 8, 9\}$
 $A A B = 4$
 $A U B = \{1, 2, 3, 0, 5, 6, 7, 8, 9\}$

$$A = \{1, 2, 3\}$$

$$B = \{3; 4, 5\}$$

$$A - B = \{1, 2, 3\}$$

$$B - A = \{4, 2\}$$

 $A \times B = \{(1,3), (1,1), (1,5), (2,3), (2,1)\}$ (2,5), (3,3), (3,4), (3,5)





C1 (B-A)



A CA

Jon are not allowed to reave

Teans

Done -> type con versa in

Done, # pages.

- 1 minhe

take paicheres (las resolva)

enail (2)? pages

that U. -