Another Example

- OMMA -> (S->L)
- ② M A ~A → ~L
- (3) C -> (BE>L)

MAC -> (AAB) V (~AA~B)

and (ANB) V (NANNB) is true

- MAC -> (AAB) V (NAANB) is

C is brie @ (B), it implies

(B 471) is brie for C -> (B4>1)

to be true.

Best is true when Band Listrie.

Or Band L both balmy

This implies. MANA must be false

This implies. MANA must be false

MANA > NL.

A is true, thou MANA is

Jacks.

Mis true and super also A thin

MAA is true. It means implies

STL ment be true.

STL is always

when L is true. STL is always

low.

When A, M, B, L, c are line all the three statement are line.

Ma MAC is line.

A and B is line so (A AB) v (~A DA NB) is below true. For example n²21, es ether staliment time practe intéger. me med to spenty the set. (content).

Jest all values. Fig there exists, for some (existential quantifier) +: for all, for every (universal).

There enists an intign n much that

n21 is true on n21 and n2-1 both of them are intigur.

 $(\exists n)(n \in I)(n^{2}=1)$ (ln nym boh)

Encemples of quantifiers.

For every in liger n, there exists an intéger y such that n+y=0. (4x) (3y) (xty 20).

Enplanation: Take any inleger &. 10, Han, 10 no 10, y2-10, This is true Statement:

For every inleger x, x+y=0

(Fy) (+n) (x+y=0)

Take anywhich legis 10,20, x=10, x=20.

and fix can me have a same y

much that 10ty=0, and 20 ty=0

- Not possible. So the above

statement is false.

- The sequence of quantifiers at is new important. It changes the meaning.