LI K

 $\leq \forall$

Abduction is used when the a proof cont be induced or declused logically. due to the loss of control over an experiment.

Ex. 3 Evolution & Climate change.

a. $n(\forall x \in \mathbb{R}, x > 3 \rightarrow x^2 > 9)$ $\equiv (\exists x \in \mathbb{R} \mid x > 3 \land x^2 \leq 9)$

b. $n(\forall a, b, c \in \mathbb{Z}, ((a-b)\%2=0) \land ((b-c)\%2=0) \rightarrow (a-c)\%2=0$ $= (\exists a, b, c \in \mathbb{Z}) ((a-b)\%2=0) \land ((b-c)\%2=0) \land (a-c)\%2\neq 0$

3) Megate 4:200, 3NEZ+ 1 YnEZ+ (n>N)-0(L-E(an< L+E)

BEROLVNEZT, BNEZTI (N>N) N(L-EZan> L+E)

or 3 = >0 (YN = Z + (In = Z + ((n > N)) \ (L - E > an > L + E))))