Quantification

-s every -s The universal quantifier
-s some la - Existential quantifier
-s no - Negative quantifier

Every child sleeps. => \times x. Cx -> Sx Hx. child'x = sleeps'x S/CSINP) SINP dild := N : xx.dild x Model Erry child Sleeps != SINP: 1x.sleeps'x D= {di, de ...} ~ NP aendik:= S/(S/NP): Aptx.dild'x >px

1 (e,t) T/(e,t), t> > 215

every := S/(sim)/N: >qpp Vx. qx -> px

sleeps. child Every SINA 5/(SINA)/N x.child'x X. sleeps X chib! sleeps' had the gx > px Keit2 (c,t) << e, +7, << e, +7, + >> et et et(ett) S/(SINP) >p ∀x. child'x -> PX (se,t),t> Yx, child'x -> sleeps'x

Quantification (cont.) some /a explential reading A stratent cheated in the exam. he a student on mind. to no partialar student on wind.

Some A child sleeps. =>]]x. child'x \ sleeps'x : Xx.child'x Xx. sleeps'x 9 := S/(SIMP)/N : X4XP. 7x. 9x 1 PX

a child != S/(SINP): \p. \frac{1}{2}x. dibl'x \px

child sleeps. S/(SINA)/N Ly child'x XA N XP XE . 9XAK (<ed>), <(ed>), +>> et (et+)) John Fx.chill'x Apx: ((et)) = Keitsit) () A) Px. qx A px) (Ax. chib'x) >p. 7x ()x chill's)x A PX Ipida, child'A NPX

No child sleeps = => - Fx. child'x A deeps'x

Ex. al least two **Generalized Quantifiers** MANB/ >/2 every! SICSINP)/N: YP Mq. 4x, px -> qx

et (et t)

(e
$$\rightarrow$$
 +) \rightarrow ((e \rightarrow +) \rightarrow +)

sleep.

Firsty A B = A \subseteq B

Some A B = A \cap B +

B = NO B = A \cap B =