Jangunge + A language is a set of a string trans conform to some criteria.

Set-builder notation.

 $L = \{x_i \mid x_i \in \Sigma, i,j \in \mathbb{N}\}$

Z = 8a,63

Lo = Eazbiliess

aab ____b

$$L_{1} = \frac{2}{3} a^{2i} b^{i} | i 7 0 \frac{3}{3}$$

$$L_{2} = \frac{2}{3} a^{i} b^{3} | i 7 2 \frac{3}{3}$$

$$= \frac{2}{3} a^{i+1} b^{3} | i 7 3 \frac{3}{3}$$
N

a* = {ai|i703

ξα(«ub)°α | 1703 U mion - set theory we overload to mean "or" Fue nov.

-'nc" notation