- 1. Translating into logic
  - (a)  $\forall x \exists y \exists z (Prine(x) \rightarrow (Prine(y) \land Prine(z) \land Sum(y, z, x)))$
  - (b) HX = y= 2 (Prine Cy) A Prine (Z) A Greater (y, X) / Greater (Z, X) A Sunly, 2, Z)
  - (C) 3x yy (Prime(x) 1 (Evenly) -> (Greater(y,x) V Equal (x,y))))
    - (d) TEXL Even(x) (Prime(x))
  - 2 not so régative
  - (a) Donain of discourse: all people

    Predicate donniration: P(x,y):= 'y is x's parent."
    - THX ANAR (PCX, UP A PCX, Z))
    - = = 3xyyyz ¬(Pranp / Pranp / Prans Lan
      - = = = x yy yz (¬P(x,y) V¬P(x,z)) de (Viorgan's Law