LS 278 Lab 3 1.5.3 ( - ( p -> g) -> - g 7 (7p v q) -> 7g conditional (P 179) -> -2 de Margans - (p / 79) V79 condition 7 P V 2 Vig de Margan Complement TPUT @ 7p -> (p->g) ~ > ~ P V q ~ P V (~ P V q) (P V ~ P) V q (orditional Conditional Double regation Association Complement Domination

1.6.1 (b) -1P(3) proposition
-3iscien 7 False Teles (D) T(5,x) predicate @ P(3) VT (5,32) proposition

3 is even or z<sup>5</sup> = 32

folse or true

Frue 1.6.7 (6) = 1 × (x+7=1) done, in all integers

True; = (-3) -3+2=1 (a)  $\forall x (x^2 - x \neq 0)$   $\forall x (x^2 - x \neq 0)$ (x2 =0) Tru =(2) 7 >0 / 1.6.3 6) The squere of every number is at least 0 There is a number equal to its square

