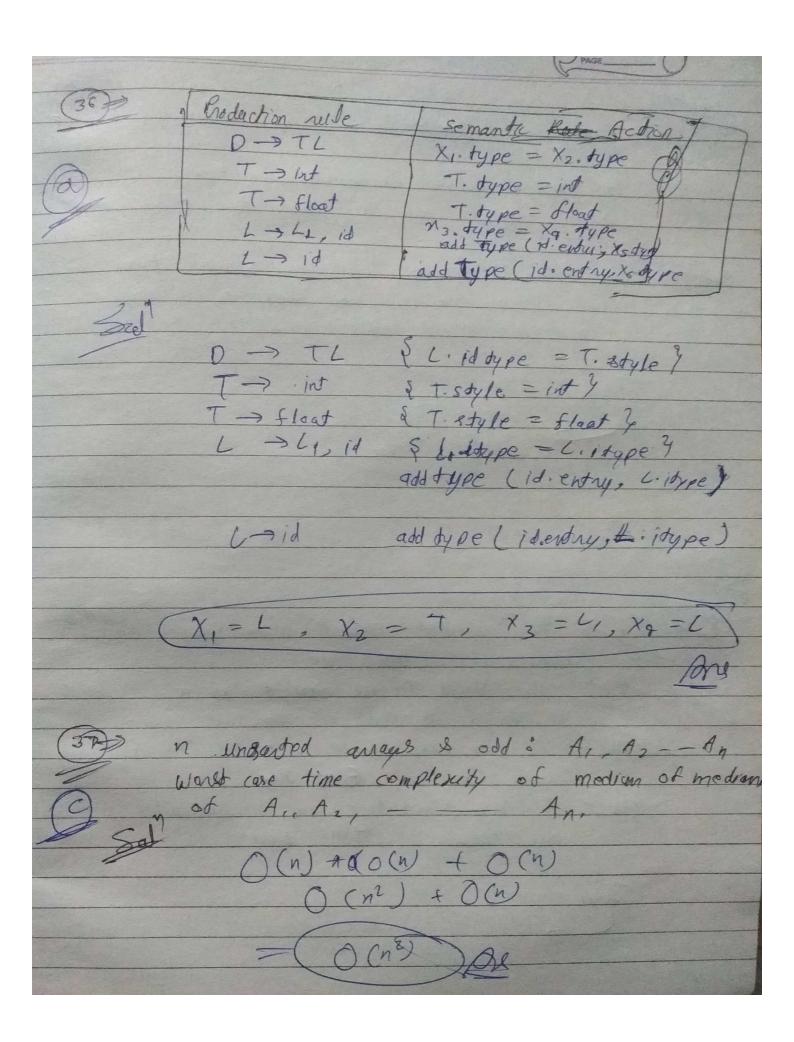


St: set of all necurrively enumerable languages on the alphabel 50,13 32: Set of all syntactically valid a program 183: 8et of all languages over the alphabet so, 154: Set of all non-negeran languages over the apphabet 50,14. Set one uncountable - 3 7 (53 N Sq (z=1))=> ]w (w>x) /t/2 = 1  $\Rightarrow$  [( $\omega=2$ ) V(Z=1))] 81: - 81, 2, - - 1003 SZ: Bet of all the integers 53: set of all integers. 50188y S2 & S3



Ce be any connected, weighted, undirected graph. I G has a unique minimum spunning tree, if no two tolges of a fave the same weight G has a unique minimum spanning tree for every cut of a there is a unique minimum weight edge crassing the cutt The smallest element in a max-heap is always at a leaf hode. The second langest element in a mon-heap is always or child of the good noder The man heap can be constructed from a binary search thee in O(n) time-A binary search tree can be constructed from a max - heap in O(n) time? Lowp 1, A & III

