Note Title - trogram Throun cements Midtermy Weak or Murs Check point See me after class 502017 due this I have - marional 11/2/2009

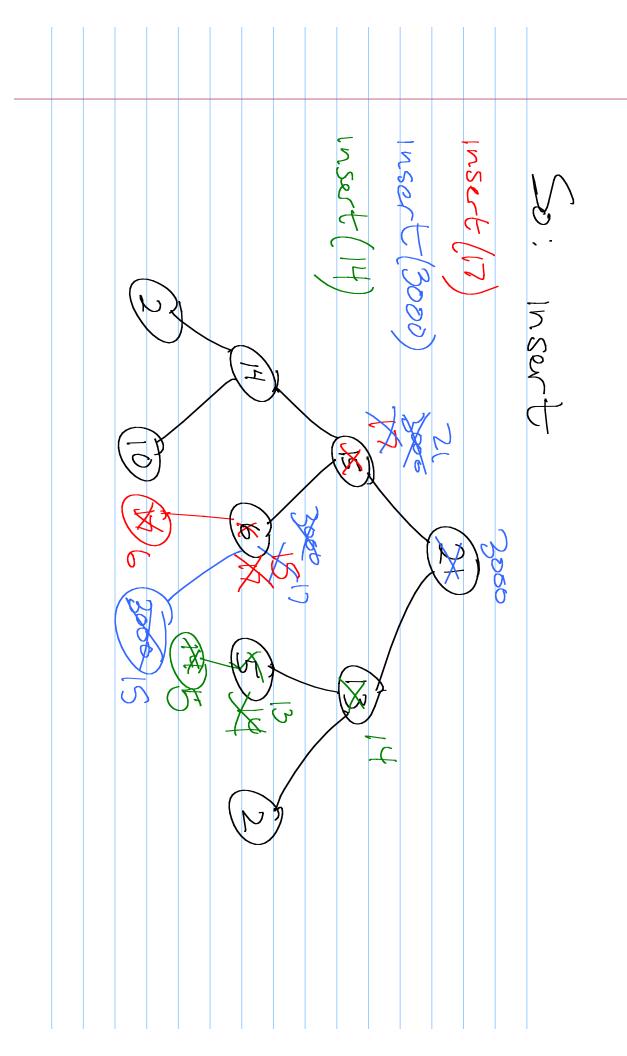
hes 2 children You+ - level] leve O (ove)

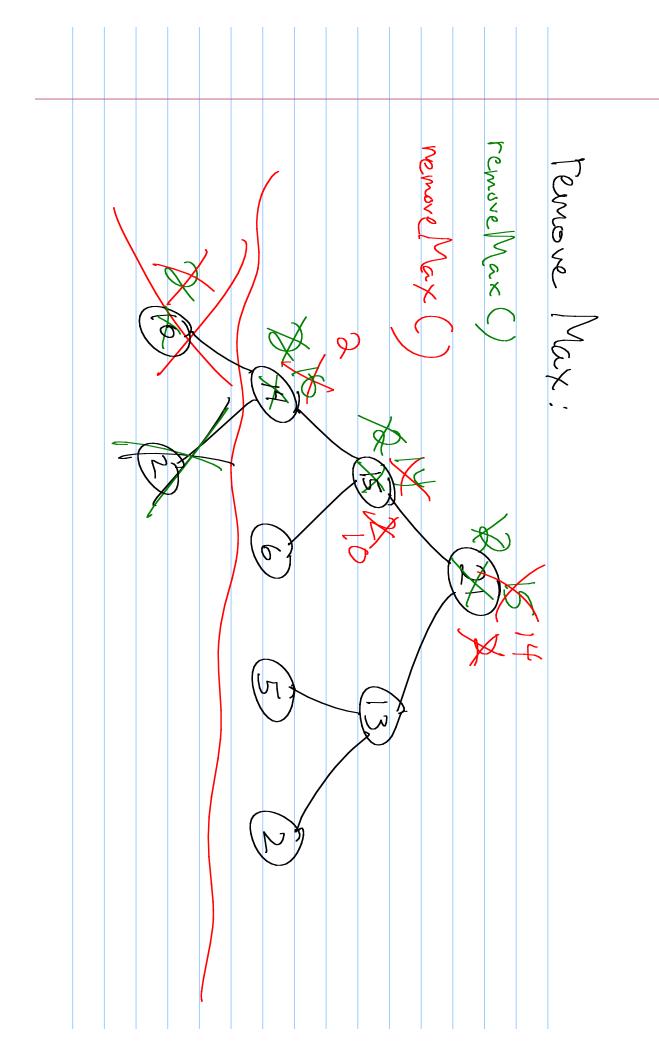
for any node V with child gets number of the child gets number of the child get 2.6+1 Root 15 #1 Array Dase 0 451818 (mplementation:

さるうけ remove Max (): removes the maximum element Supports the tollowing operations: max Item) insert(e): adds element & to the size, empty, exi 1 returns a reference to the maximum (Lucue:

Lmolenewhos I TO ENERY bigas The tree the left the best stored at V 15 less than the root)
or egipal to the bey stored at vis Sackt tree where 2 Orionit possit de m hodes in greac with a hear hades and all hades har are on

Picture - Max head <u>(v</u> (eve) level] (66) 3 level 2





くてくている how many HOW NSes ·+ 21+22+ ... +2x-1+ to remove Max thres: 6 nodes N |V 5 5 + 25-1 57 9 W Janol 1)

ノクロファラ Size empty
Insert
Comove Max Some

20 E class Heap US oublic: Dr wate: Intentioes. Sorre (x+ data Junem Titemtype [capacty]) Capacty Oats.

0 0 0 Jata [Size] = Value (S126 > 1 (NS6-t) ata I how Data. Const Spate ... introck value m ype (capacth

eng det [parent] = deta [current]. current = size -1; parent = (durent-1)/2. paract 11 of insert Pata parent (current-) ~ data (current