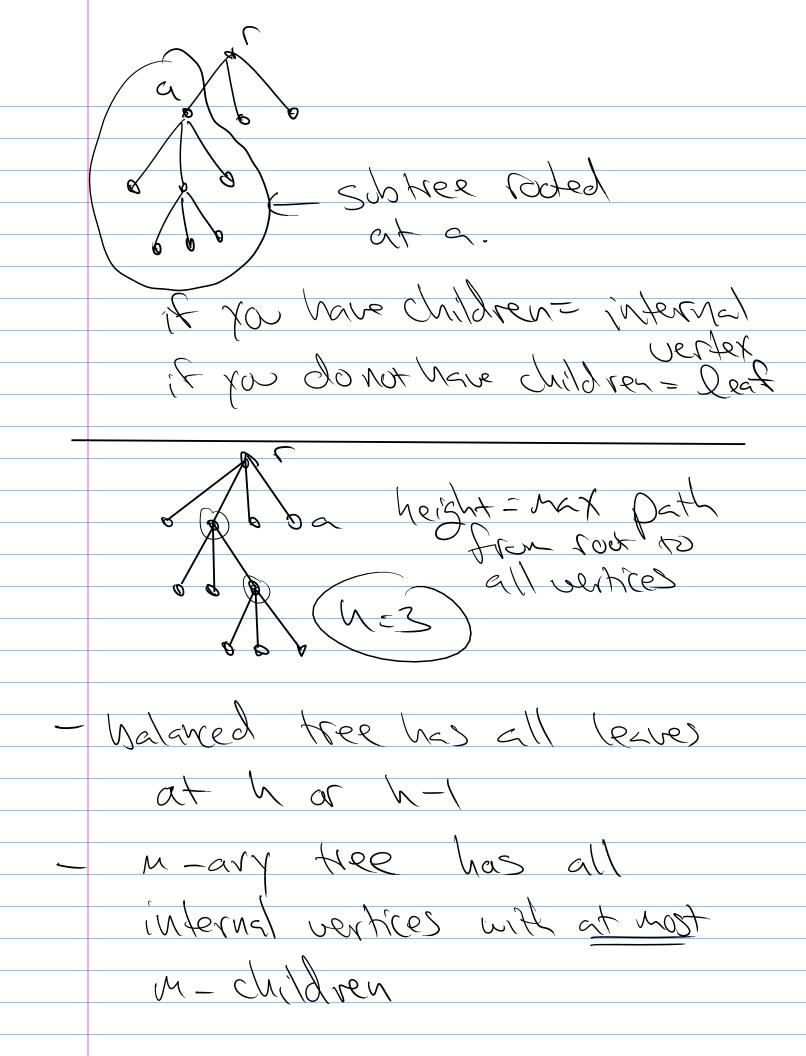
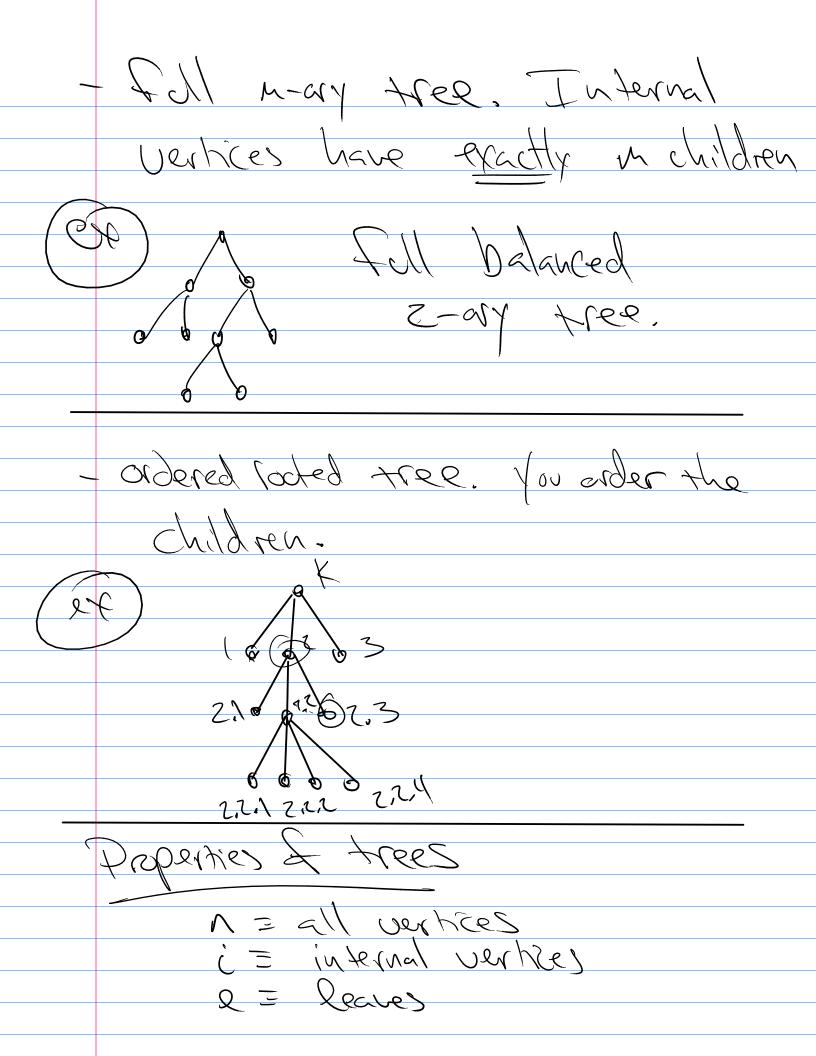
Math 322 Honewark will be modified toright. None due till after breck Thurs. Class will be recorded to nonow ac I'll be driving to Denver (Math conference) moltisoph pseudograph arwitso No Single Citwit -> Single Sigh

the An undirected Saph is a Nee there is a unique Jimple path between any two vertices. (nec) assure mig. Simple pert > | tree! Mean a fath between any two vertices The. 6) mig. sixple pot - no sixple circ. try contradiction.

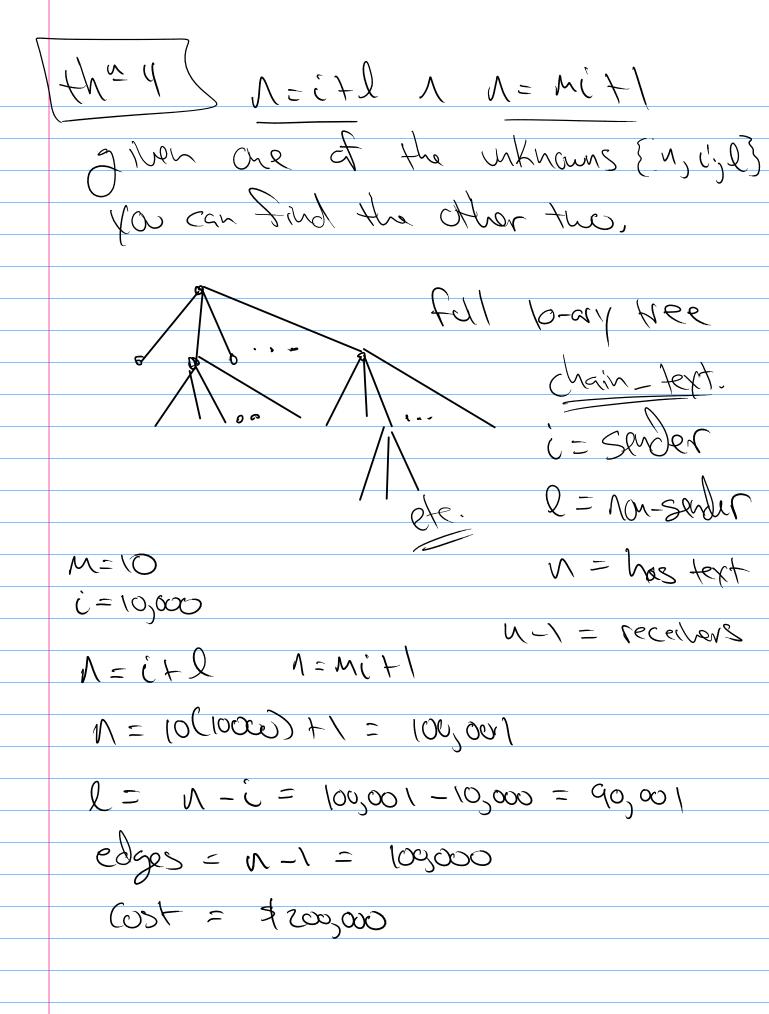
assure mrg. sinp. peth 1 sinple circ. f there is a simple circuit from a toa Okhe (isten to lectors. · · contradiction.

Hel a Hee a root and and edge i away from it. U-parent of u U, S are siblings W





N= 2+2 the with a vertices Mas n-1 edges (= children) 1000 players come to a single elimination tourny. How many gaves must be played? 999 (edges = losers) this till man thee N = Mi + \



Neight 1 the wary tree of height h Mr. N > [logn l] h= (logal) N > [log10 9010] [logg + logo] O(1)