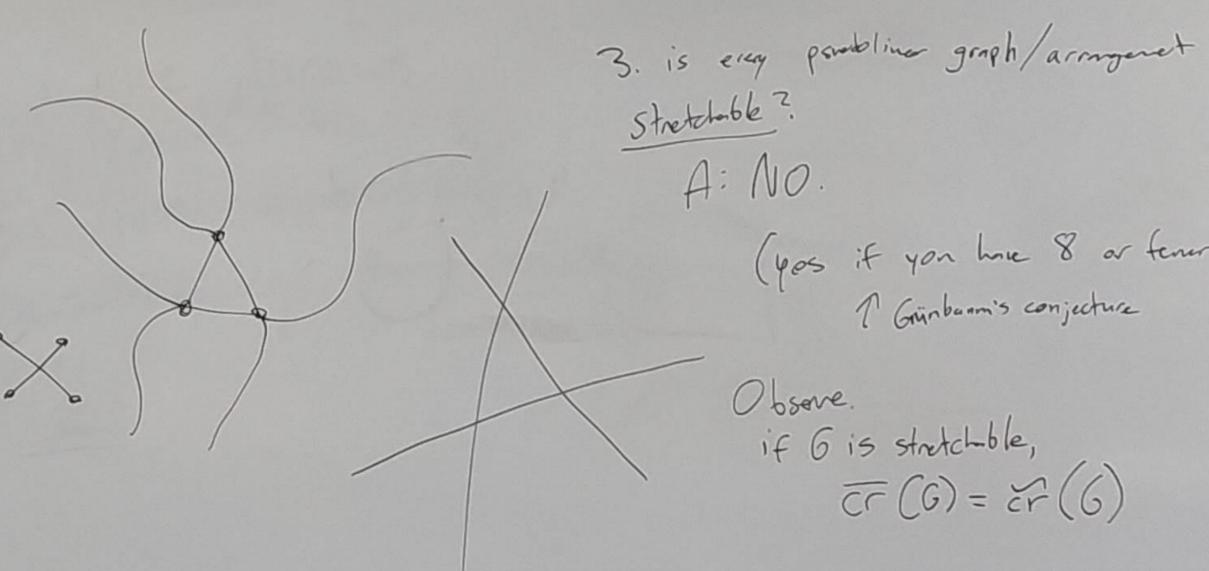
Crossing Hs of graphs Given G=(V, E), cr(G) = min V L R H of crossing in G When are cr(G) and cr(6) different?

1. restrict etgos to being straight lines (rectilinear)

1.5. focus on $\overline{cr}(k_n)$

Values are only
Known up to and n=2>

- why are they triangular? I ~ why does ke have a copy of Kn-3 in the mittle? 2. psudo linear - edges can convey but either - cross every other above exactly ona - can be extended to cross everyone else exactly once.



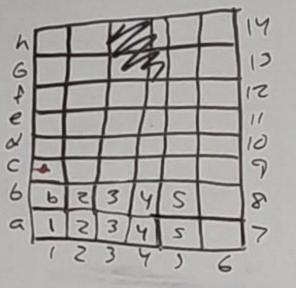
(yos if you have 8 or fever psublies)

1 Grünbann's conjecture Observe. if 6 is stretch-ble, TT (G) = ET (G)

The Snowblower Problem

*snar-mares-dist

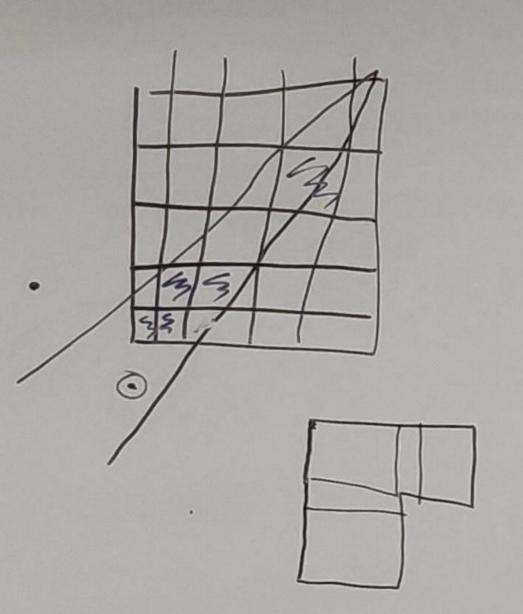
(2006) Toe Mitchell ex. a)



depth = 1

1) "Refault" any direction

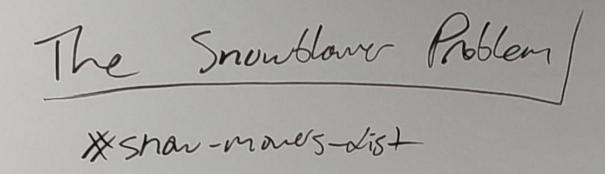
- 2) 'adjustable' -> 4R, Farange 3) 'fixed' -> R



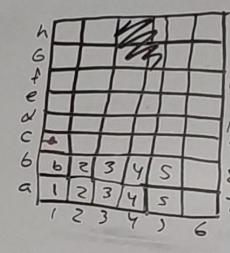
Restions

(1) Can me show their structures are connected?

2) If these went connected, how right we fix their results?



(2006) Toe Mitchell et. a)



Defin: a graph Gis K-Koloruble iff

3f: VG -> {1,2,...,k}

such that

Edges are multi-colored
i.e., +(v,w) + Eo, f(v) + f(w)

10 get our graph, vertices = Voronoi regions edges = represent adjacent regions.