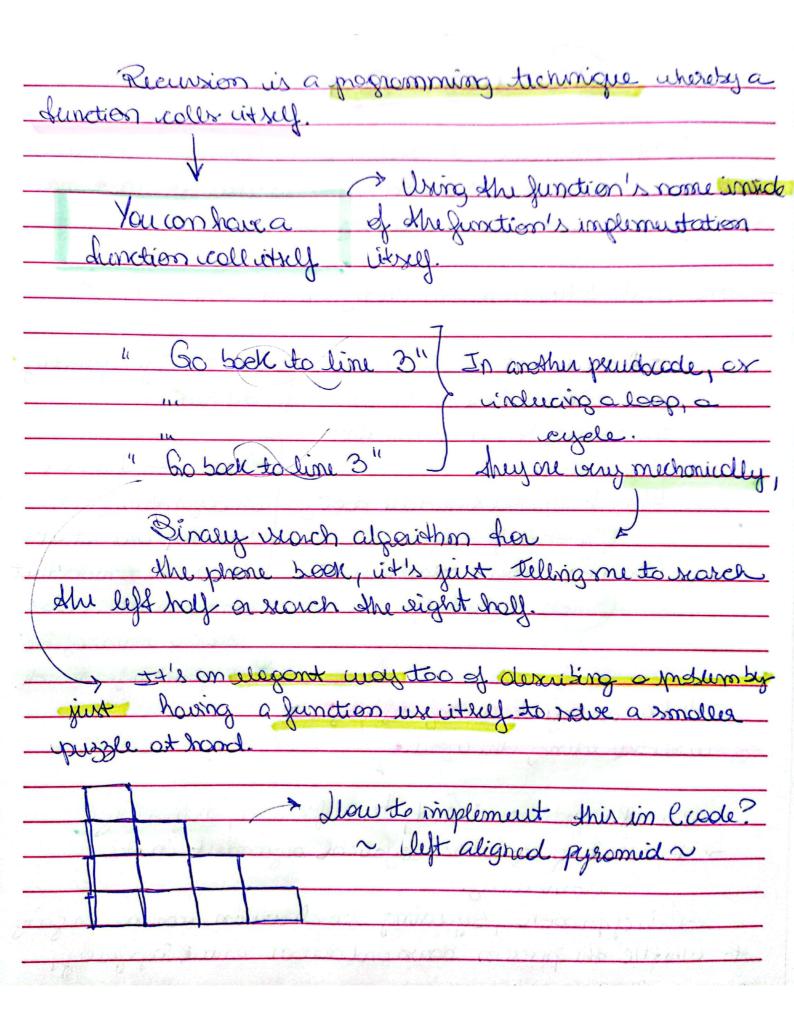
## Recursion & So the cholleage at hand is to do better than selection sort and settle show subble sort, and ideally not just mar-Sincley Setter but fundamentally better. - lon we do setter than something on the order of no? It's kind of cyclicality I foodoors defined. Return folse If number behind omiddle door J claim this is Estern Ince Elle it number ( middle door on algorithm for sorch, ordest it Seach left holy seems like unfair that Else it jumber 7 middle door I'm usingthe verb Sorch eight half search inside of the algorithm for morel. It's like on English used of defining > or word by wing the word. But the problem is that by definition, half or large -> this isn't going to be a cyclical argument in the this opproach, by wing search within search is going to whittle the prederor down and down until hypoluley, one door or no doors remains



Example of Ateration rede introtion.ce Hint exactly whis spyramid of height Windude < 1550 27 & include & statio h? oraid draw (int n); (PROTOTYPE) unt main (vaid) unt height = get unt (" Height: " draw I hight; Colont have draw function void draw (intr) inti = 0; for (int i = d; i K=n; i++) Lor Cuint j = 0; j < i+1; j++ mint & (" \* ") yount & ("1"); Hight: (4) 8 . liberation

Best I can think doed implementing draw in to
somewhat difficult way that's kind of cluse.
Llow else could use strink about this problem?
Dead less and the given assai was present.
well, this physical structure, these bricks, in some some
is a recursive structure, a structure that's defined in
terms of itself. *
"What does a puromid of height I look like you
"What does a pyromid of height I look like you would paint, of eaux, to this picture."
But you could also Kind of relevally say to me, well,
But you could also Kind of relevantly say to me, well, wit's octually a pyromid of height 3 + 1 pm. And Shuri's that ayelical organized, eight?  But we can kind of Jeverage this logic incode.
But un on Kind of August !
in a contract of the contract
* imelude (estor) *
* include ( Adio. h &
int main(usid)
int hight = get strong ("Hight:").
draw (hight);
AND
The territory of the te

- void draw (inth) (1º) it you ask me to draw a
pigamid of hight n I'm
obaw (n-1); going to be kind of a wine
, , , , , , , , , , , , , , , , , , , ,
as here and buy, well, just
draw a pyromid of n-1
- Ok. what hoppens after I  you'nt or draw a pyramica of height n-1 occasing to an  thuctural definition a moment ago?
- print or dear a pyramid of height n-1 occarding to an
structural definition a moment opo?
110 ma Maria manual de la compania de la contra del contra de la contra del l
- We need I more now of Josher ~
1
for (int i = 0; i < n; i++)
$\frac{qor(unara=0;u(n;i+t))}{}$
- mint & (" X");
A STATE OF THE STA
! print & (" \n");
and the second of the second o
But this is Kind of trippy now, because I've somehow
boiled down the implementation of diaminto minimo.
boiled down the implementation of draw into printing a sow after just drawing the thing bose it.
and good from the strong oscillat.
Q 1 Mi : 11 Mi in the second
But this is problematic as is because in this case,
my drower function, notice, is durage aging to call
the draw function forest in some sense.
But ideally, when do I would this cyclical pracess

to 9x0P?
"But ideally, when do I wout this cyclical
process to stop?" when do I want to put call
d'au onymore?
> When n is 1, eight ! III
when I get to the top of the personice, when a is I or heek, when the personice ond negudio
void dear (int n)  super sofe! <=
if (n (=) o) (softy)
Jadurn; J
drav (n-1);
for (inti =0; intn; i++)
5 + 10 bould at yourse toy and unest
sen in the comment of the superior of the sent of
OR We to the second of the party of the second of the seco
The second second to the second secon

(in this) wast bise if (nx=0) alterni draw (n-1);