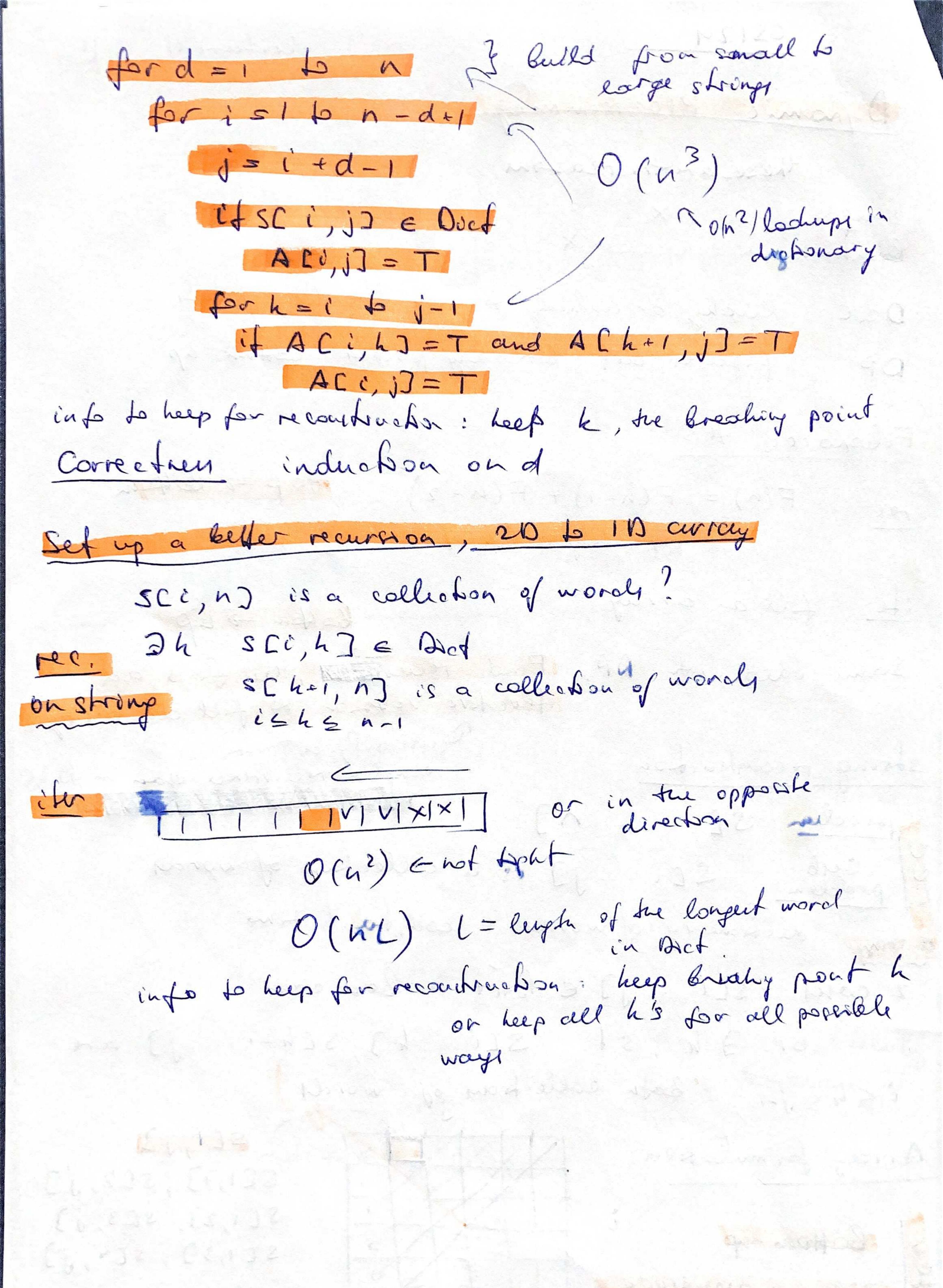
CS129 Certure 11 Dynamic Programming these are the reason.... greedy - X.
Boch brown - X. D&C lukky or unlucky to mak breaking points DP Agures out Breaking points, bottom-up Fibonacci #'s 20p - 2 Bo Hom F(n) = F(n-1) + F(n-2)repeating a lot of work rec. ifer. fill an array Bockom -2 Up Find recurring, then find an iterative represent to fell an ownay. Same idea moth BP. Complex recurrence than in DDC strong reconstruction Jordblen SCI--- NJ Seib SCI--- 12 es a collection of words on theme dichonary of words - constant time 2 com sci-j2 & Act « Bon ean or 3 k, s.t. Sci-h], sch-i-j] are ish sije Bosh colle-how of words Array formulation SC1,1], SC2, j] SC1,23, SC3, j) SC1,37, SC4,17



Edit Balance

how also are Lovo sequences

Hommon

destance 0101100

places where sequences do not morten

Bad for shoul shift / unerhour 1101110

edit distance # of edit operation to transform our strong

to another - delefe - replace

5 ops, if cell coets are 1 tun edit durkance or 5

VBC1...-m]

ACI.-17 -0 BCI.--17

subproblem ACi...j] -> BCh.-- e] us

exo: activ AC153

(C(i-1,i-1) if ACi) = BCJ] $C(i-1,j-1) \text{ if } ACiD = 15 \text{ or } C(i-1,j-1) + C_R \text{ if } ACiD \neq BCiD$ $C(i-1,j-1) + C_R \text{ if } C(i-1,j-1) + C_R \text$

on coll function

ider 6 c, 29/3ci...

Co 200

ider 700

ider 70

array 0 (nm)
0 (1) to ful a mul

to reconstruct
help into of pointers
that provide min
in the recurrence

ophmim