

Start: up problem 1

CSCI 570 Summer 2016 Dynamic Programming II

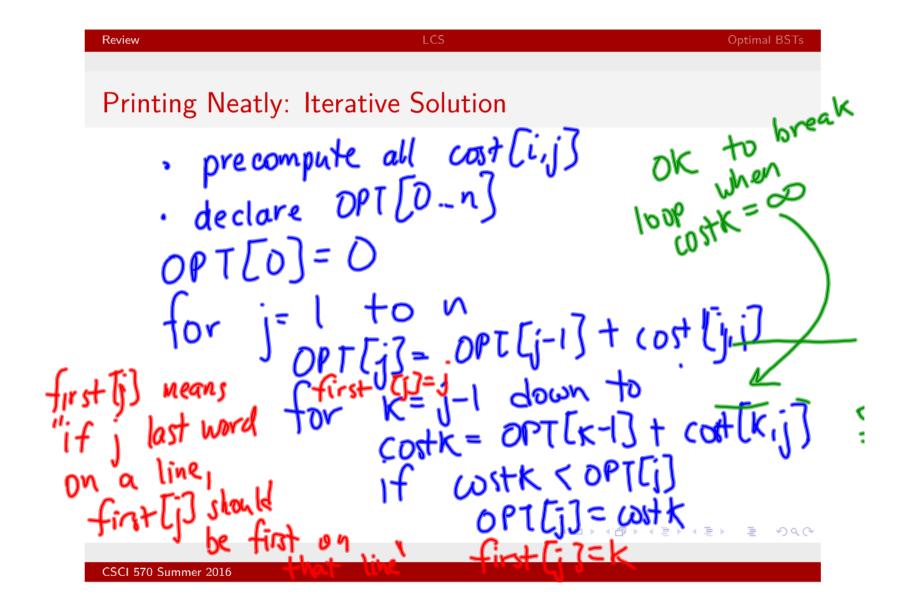


Cost of words on a line: (ost (i.j)

if words 1-j don't fit,

return ~ if j=n: return 0 else return (M-j+i- Slx)

Printing Neatly: Recursive Solution



Printing Neatly: Produce the paragraph

Knapsack: Recursive Solution

Knapsack: Iterative Solution

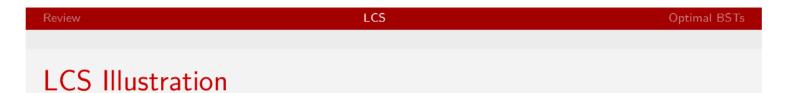
Knapsack: Produce the set

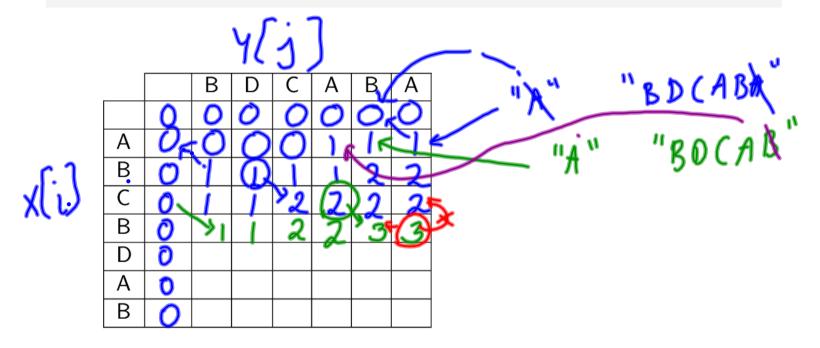
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Review LCS Optimal BSTs

LCS: Recursive Solution

LCS terative Solution declare L(S[0...m,0..n]) M=|X| n=|Y| Vfor i=0 to m L(S[i,0]=0for j=1 to n L(S[0,j]=0LCS: Iterative Solution CSCI 570 Summer 2016



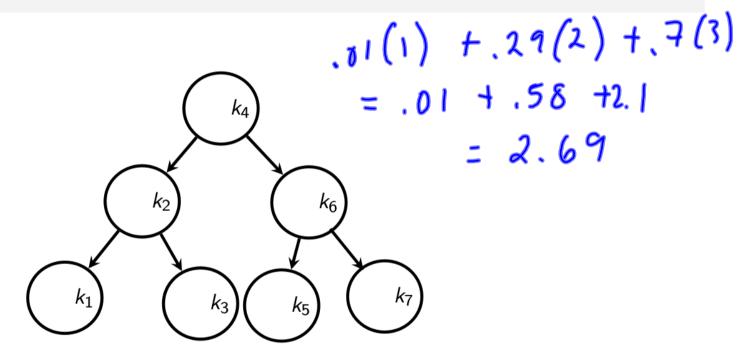


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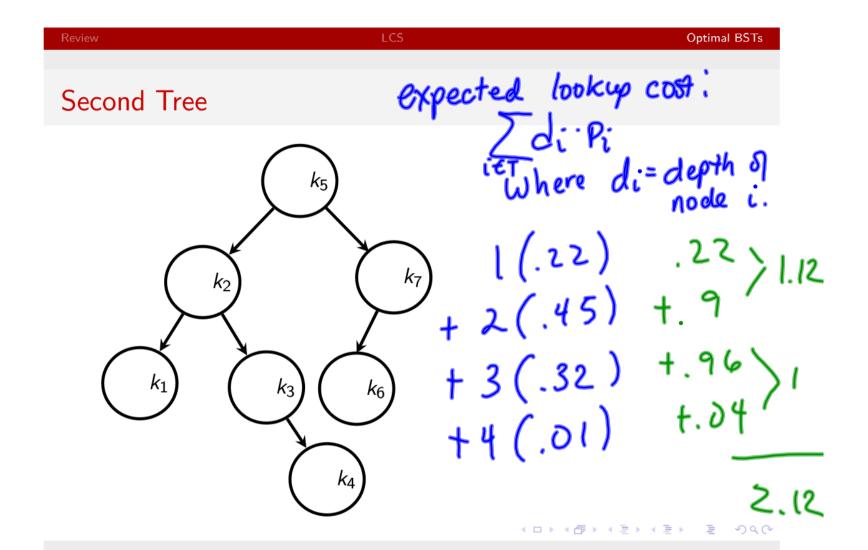
LCS: Produce Output

Review LCS Optimal BSTs

First Tree



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Review LCS Optimal BSTs

Iterative Solution



Produce the tree



CIEI HIST RY