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Assignment: hw4 Part - 2

15. 1.2))

let take a rod of length n= 6

and prices, p1 = 0, p2 = 1, p3 = 5, p4 = 8, p5 = 2

according to the greedy aloo t will take the height part first which is the p4.

Now pi/i = 8/6 ratio. Now the left height is 6-4 = 2

So, for the left 2 greedy will take p2. So the total profit is 8+1 = 9

But the better solution is to take p3 + p3 = 6

And profit is 5+5 = 10

15 .1-5)) draw the subproblem graph for Fibonacci number.

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15.4-1)) determine the LCS of <1,0,0,1,0,1,0,1> and <0,1,0,1,1,0,1,1,0>

![A picture containing chart

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