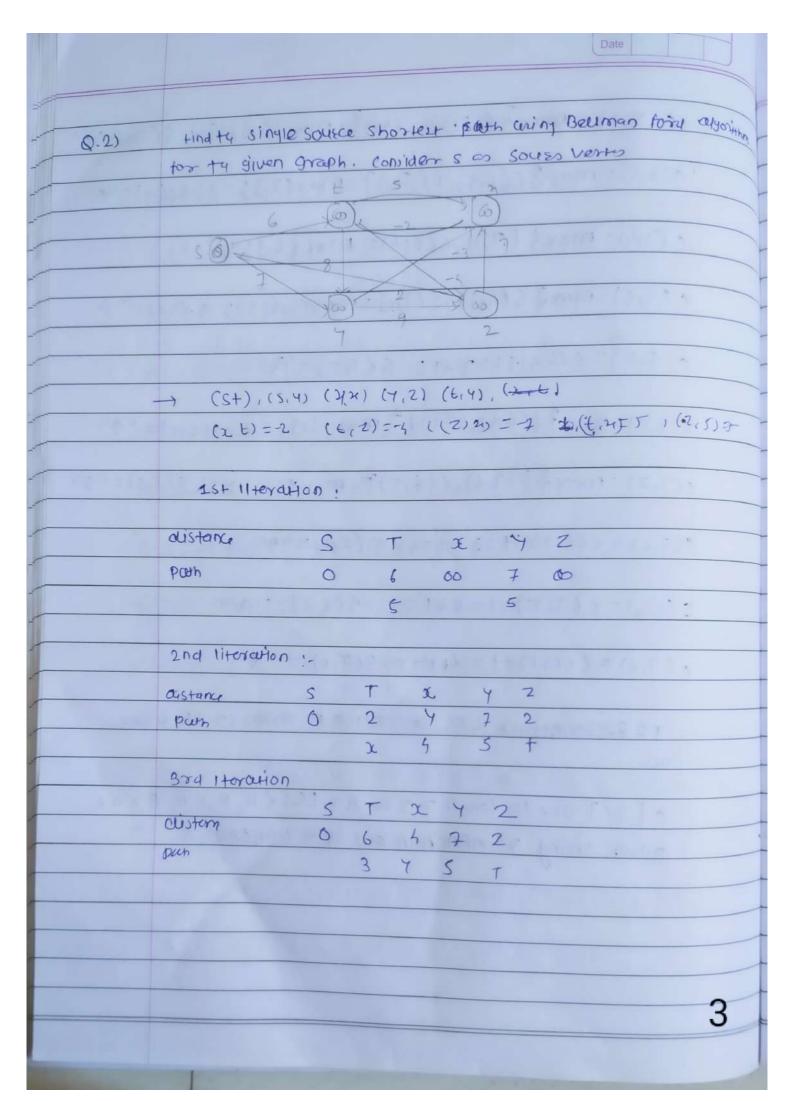
A. C. Patil College of Engineering Kharghar Navi-Mumbai Maharashtra

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Subject : Analysis of Algorithms (AOA)
Assignment-04

c(1,1)==max 2c(1,0),e(0,1) 3=mm (0,0)=0; s(1,1)=1" · c(2,1) = · c(1,0) + 1 = 1', 5(2,11) = " a" c(311) = mon } ((), o), ((211)) } = max((011) = 1), s(3,1) = "1)" c(4,11= max [(4,0) 1 ((3,11) = max (0,11 =1) 5 (4,1) = "1" essell = max { (15,0) (4,11) = max (011) = 155 (51) = "17". C(611)= C (5101+1=0+1=1) 5 (671) = " 1 C(7,11) = ((6,0) + 1=0+ 1=1; 5:(61:11) = "A" e(1,2) = c(0,1)+1=0+1=2; (5(1,2)=11A11; ((113)=mux 3 ((112), ((013)) = mx (1,0)=1/5(13)=1111 c(114)=max 3 ((113), ((D)4))=max(110)=135(114)=11 & ((1,T)= ((0,4)+1=0+1=135(1,T)="17") ((1:6)= (de: max (((1:5);((0,6))=max (1:0)=1:5(1:6)= ((212)= ((1,1)+1=0+1=1; (5(2,2)=11x" ((3:2) = max 3 ((3:1) 1 ((2:2) } = max (1:1) =1; 3(3,2) = "1" c(4,21=max) ((4,11) ((32) = max (111) =1; 5(4,2)="1")"



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4th iteration

ever node from so an code How we have do one more leteration to find wheever their exist edge upon on not

Hence shorters path is

(5,4); (4,2); (2,4); (4,2)

(0.3) Let n = 4

profit = 3 1, 2,5,0)

weish+: 32,3,4,53

tind the solution to 011 knowpouck problem using bramis programming

 $\frac{-9}{100}$ pi = 1 2 5 6

0 1 2 3 4 5 6 7 8 0 0 0 0 0 0 0 0 0 0 1 0 0 1 1 9 1 1 1 2 0 0 1 2 2 3 3 3 3 3 0 0 1 2 5 5 6 7 7 4 0 0 1 2 0 6 6 7 8

Max (2+0,1)	may (2 f 0,1)	Max (2+1; 1)
1 m 251	[2-1]	(3,1)
= (2)	= 2	=3

