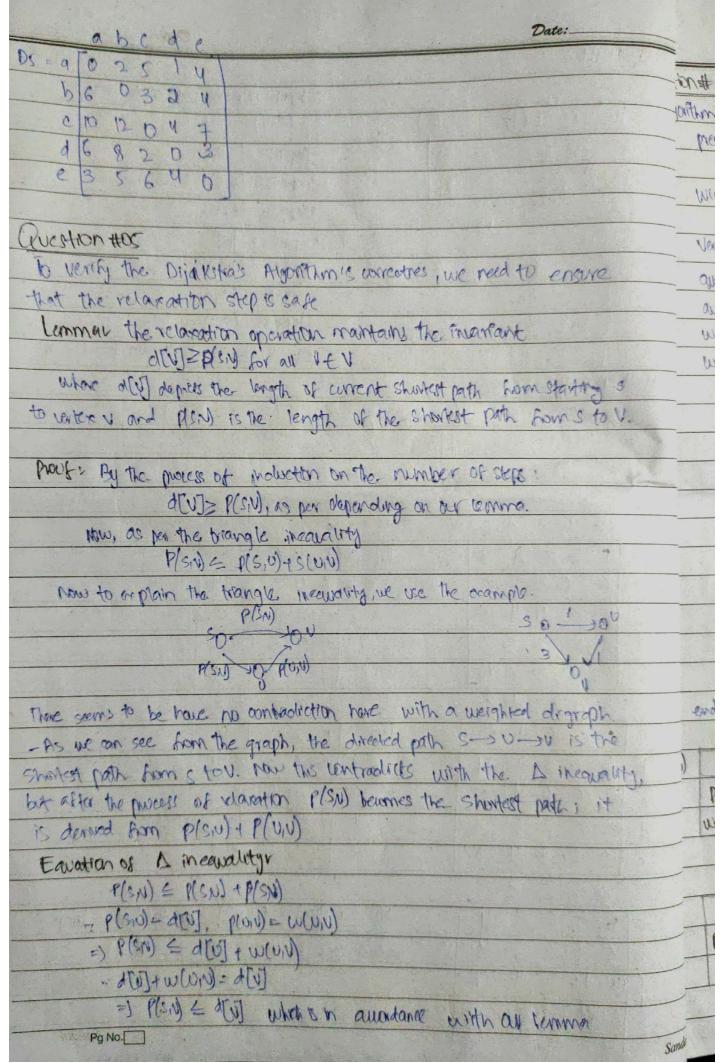
Assumal Arris

ALGO ASSIGNMENT #04 Date: 14 Dec/2001 Quenn HI (a) DESCO) -> DESCO) or DESCO) DES(B) - 1 DES(C) or DES(P) DES(d) - DES(e) or DES(1) DFS(C) -> DFS(P) DFS(p) -> DFS(f) DES(e) - DAS(1) DFS[i] -> dead 5:3,6:6 S:4,E:5 PRSCF)-1 dead DIS: Ifijie, p. c, d, b, a] (b) was edge & (j,c)] Forward edge Pland), (a,b), (b,P), (P,f), (d,d, (d,j), (b,c), (c,p)(e,j) Back edge { (c)a)? hix, s Pg No. Sandal

Algorithm Shuhtfath (Array intro). alone or empty owner promus of new array [n[m] alone orangue (1:1) promus of new array [n[m] alone orangue (1:1) promus of new array [n[m] ind (alone introduction) find (alone introduction) find (alone introduction) find (alone introduction) set new shall of ne i, i = new shall of ne i, i = new array (1:1) bit = promus [i][j] det = se sec (1) while [s = renefly(1)) prom (stop(1)) prom (stop(1)) alone orangue (alb) promar[a][b] = ij promar[a][b] = ij	Puestion 4 (2), L	hear
avere e-entry owner proving to new analy [n]m] appears crave (1); preving s[in]=(-1,-1) while (lawer, isempty). i, j = avere dearne() food avere preving, i, j, i, j, i, m) -ford (avere preving, i, j, i, i, i, n, m) ford (avere preving, i, j, i, i, i, n, m) ss to new space of mt i, j = 1 m while i = -t and j!=-t: ss. posh(i, j) ij = preving s[i][j] dest = 85 size() whe (ss. isempty()) perm (s. pop()) return dist function ford (avere i (noware, i, j, a, b, n, m): if (a>=1 80 a == n) see (b>=1 and b == m) and see envay(a)[b] != bweed()): avere, cravery (a, b) previous [[b] = i, j	Algorithm Shutet Date CArrow north	
provide the new array (n/m) apear or a year (1,1) previous (1,1) (-1,1) unite (laurous, isompty): i, = a voice dearne () food (avoice, previous, is j, i -1, in m) food (avoice, previous, is j, i -1, in m) food (avoice, previous, is j, i , j, i, m) food (avoice, previous, is j, i, j, i, i, in m) se the mesher of mt i, j = 1 mm while i != -t and j!=-t: ss. poshlij) ij = previous [i][j] dif = ss. size (1) while [ss. isenthy]) pun (s. popl) return dist lundion food (avoice : previous, i, j, a, b, n, m): if (azz1 sq. a == n) se (bz = t and bc = m) and se enroy(a)[b] != bhreed()): avoice, craveric (a,b) previous [i][b] = i,j		
appear evapore (111) previous [int] (-11-1) while (laurer, isempty): i, j = avere dearne () food (avere previous, inj, int, j, n, m) food (avere previous, inj, int, -1, n, m) food (avere previous, inj, inf, 1, n, m) food (avere previous, inj, inf, 1, n, m) ss & new share of mt inj = 1 m while it = -t and j = -ts ss. posh(i); inj = previous [i][j] def = 85.52c() whie (ss. isempty)) prof (spoll) return det function food (avere i (new ord, inj, a b, n, m): it (a = 186 a = m) sea (b = t and b = m) and se en any (a)[b] (s binebed ()): avere, convenedant) previous [a][b] = ij	District & now away for Two?	
previous [int] (- -1) while (laucue, isempty)): i, j = accele deavere () food accele previous, inj, int, joiner) food (accele previous, inj, int, joiner) food (accele previous, inj, int, joiner) food (accele previous, inj, int, joiner) ss to new space of mt inj = time while it = -i and jy = -is ss. posh(i); inj = previous [i][j]. dost = 85 size () while [ss. isempty]); print (stippl); return diet function food (accele i previous, inj, a b, nim); if (a = 1 89 a = -n) see (b) = 1 and b = m) accelerations (all); accelerations (all) previous [all] = ij		
while (laucue, isempty): i, j = avece deavere () food avece iprevious, is j. i - 1, j. p. p. p. food (avece iprevious, is j. i. j. i. p. p. p. p. food (avece iprevious, is j. i. j. i. p. p. p. p. food (avece iprevious, is j. i. j. i. p. p. p. p. food (avece iprevious, is j. i. j. i. p. p. p. p. food (avece iprevious, is j. i. j. i. p. p. p. p. i. j. = lim while i = i-t and j! = -t: ss. posh(i) j i] = previous[i][j] dost = 85.52e() while (85.52e()) previous[i][j] return dist Evertion food (avece i previous, is j. a. b. p. p. if (aze186 a == n) see (bz. t. and be= m) aved 86 en ave(a)[b] != burbed()]: avec. cravery[a][b] = (i) previous[i][b] = (i)		
i, j = avere dearne () ford avere previous, i, j, i-1, j, n, m) ford (avere previous, i, j, i, i, i, n, m) ford (avere previous, i, j, i, j, i, n, m) ford (avere previous, i, j, i, j, i, n, m) SS & new space of mt i, j = 1 m while i ! = it and j! = i: ss. posh(i, j) ij = previous [i][j] dist = 85.572() while [ss. isempty()) port (s. popl) return dist lind on ford (avere , previous, i, j, a, b, n, m): it (a = 1 sa a = n) sa (b = 1 and b = m) and sa emay(a)[b] ! b b weed()]: avere, cravence (a, b) previous [a][b] = (i)		
food (aunce previous, i) [i-1, j, n, m) food (aunce previous, i) [i, i, -1, n, m) food (aunce previous, i) [i, i, fil, n, m) food (aunce previous, i) [i, fil, n, m) SS & New Stack of Mt i j = 1 m while i != -t and j!=-t: cs. push(i, j) ij = previous [i][j] dist = 85.52c() while [bs. remy(hyll)) pont (s. popl) return dist function food (aunce previous, i, j, a, b, n, m): if (a = 1 & a = -n) & (b > -1 and b = m) and & engage [a][b] ! bucked()): aunce craneric [a, b) previous [a][b] = (i, j)		_
Ind (ourse, previous, i, j, i, fill, n, m) find (aure, previous, i, j, i, fill, n, m) find (aure, previous, i, j, i, fill, n, m) SS & new stack of mt i, j=1 m while i!= -t and j!=-1: cs. push(j)) ij= previous [i][j] dist= 85 52C() while [ss. isempty()): print (st. pp(1)) return dist function find (aurue 1 (newtors, i, j, a, b, n, m): if (a = 186 a = n) see (b = 1 and b = m) and 86 en any (a)[b] != b wered(); arave, crayer (a, b) previous [s][b] = (i)		
find laurue promos, i.j., i.j. filmin) SS & New Spack of Mt i.j= lim while i!=-t and j!=-t: ss. posh(i,j) ij= premous [i][j] dist=85 size() whie [ss. izernfy[]); print (sipp[]) return dist if (a >= 1 sq a == n) sq [by = t and b == m) and sq erricay[a][b] != blocked()]; quae, crowere [a,b) premar[a][b] = (i)	ford Courage investors, i. 1. 1. 1. 1. 1. a. ral	
hid laucus groups, i.j. i.j ft/nm) SS & New Stack of Mt i.j=1 m white i!=-t and j!=-t: SS. push(ij) ij= previous [i][j] dist=85.52c() whie (\$5. isem(Myl)): print (\$5. pp(1)) return dist function find (aucus 1 (mensors, i.j., a1b, m, m): if (a==1 & a==n) & (b==1 and b==m) and & emoral a (b) != b bushed()): aucus, cranevelab) previous [i][b] = (ij)	- End Cauce, previous, i.i.i.i I. n.m.	-
SS & New Stack of Mt i.j=1:m while i!=-t and j!=-1: ss. pushlij) ij= previous [i][j] dist=85.52c() while [ss. izern/Myll). print (ss. popl) return dist function find (aurue , previous, i.j., a.b., n.m.): if ([a.z=1.86 a.z=n) see (bz=1 and bz=m) (and a c en ay(a)[b] != b bucked()): aurue, craucie [a.b) previous[a][b] = i.j.	And laucue manox in i fit own	- Ch
i,j=lim while i!=-t and j!=-1: ij= previous [i][j] dist=85.52c() while (s. i=mphyll) print (s. i=ppll) return dist function find (aucus , previous, i,j, a,b, n,m): if (a>=186 a==n) see (b>=1 and b<=m) and a errougla [b] != bucked(): aucus, craucia (a,b) previous [a][b] = ij	The second of th	
ij=lim while il=it and jl=i: ij= previous [i][j] dist=85.52c() while [ss. isempty]): print (st. popl) return dist function find (averse i previous, i, j, a, b, n, m): if (a>=1 6a a==n) ca (b>=1 and b<=m) and a error (a)[b] != bwelled(): averse, crowers [a,b) previous [a][b] = ij	SS & New Stack of M	
while it=it and jt=it: [SS. pushlij] ij= previous [i][j] dist= 88.512() while [ss. isemptyl]): print (ss. popt) return asst function find (ourcue i previous, i, j, a, b, n, m): if ([a=186 a=n) see [b=1 and b=m)[and see en ay[a][b]] != bhicked()): assue, crayenc [a,b) previous [i][b] = ij		- 2
ss. push(i,j) ij = previous [i][j] dust = 85.512() print (st. pop()) return dist function find (aucus , previous, i,j, a,b, n, m): if (a >= 1 8a a <= n) sa (b>= 1 and b <= m) (and a \(\) en end (b): quais, crousing [i][b] = (ij)		
ij = previous [i][j] dist = 85.572 () while (bs. isempty)): print (\$1 pop()) return dist function find (averie , previous, i, j, a, b, n, m): if ((a>=1 89 a==n) GR (b>=1 and b<=m) (averies) (= b bushed()): aver. crave ve (a,b) previous [i][b] = iii	The state of the s	
and (as section) function find (anche , (newbox, i, j, a, b, n, m): if (a = 1 & a = n) & a (b = 1 and b = m) and & erroug(a)(b) != burbed()): anare, cranered (a,b) premarifold) = ij		- Do
while (so itempty): print (so popl) return dist function and (aucus i previous, i, j, a, b, n, m): if (az=1 sq a=n) see (bz=1 and bz=m) and se errory(a)(s) i= bucked()): aucus, crousine (a,b) previous [a](b] = i,j		-
print (st. popel) return dist function and (aucus 1 previous, i.j., a1b, n1m): if ((a7=189, a=n) see (b7=1 and b2=m) and se enroy(a)(b) (=bucked()): aucus, crausers (a1b) previous [a1b] = i.j.		
Function find (aucus , (mentous, i, j, a, b, n, m): if ((a >= 1 & a <= n) & a (b >= 1 & and b <= m) (and & enricy (a)(b) != bucked()): aucus, chauseus (a,b) promar [a](b] = ij		
if (are say a = n) sa (br = 1 and b = m) and a erroy (a)(b) (= bucked)): aux. craveve (a,b) promove [1](b] = ij	A STATE OF THE PARTY OF THE PAR	1_
if (ar=1 sq a == n) sea (br=1 and b = m) and se enray(a)(b) (= bucked()): aux. craver(a,b) pressurf[[b] = ij		-
if (67=189 a=1) ste (b7=1 and b2=m) (and 88 erroy(a)(b) 1= bucked()):	function find (aucus , previous, i, j, a, b, n, m):	-0
quare. crowere(lab) promorfollb] = iij	if (a = 1 89 a == n) se (b) = 1 and b = m) and se en any (a) (s) 1 = have bed (1);	1_
premary [16] = (1)		1_
		-
		Di
		-
		-1-
	Pg No.	

	Date:
Weston Ho3	
TOTT HOS	istepular min wat edge from s
(n)-12 (a) (c).	(516)
6	+ SKP #2: (SQ)
	S149434 (b)
0 0	Stephur (f, h)
10	9 steptis: (419)
0 0	(h) step#6 ~ (7, c)
	10 Steph 71 (CId)
	step48= (he)
0	cot=11+12+13+15+10+6+7+9=83
Chastion trou	
0 8	A HAND WAR AND THE PARTY OF THE
2/6/14/2	6
	A second
	3
Do-a 0 2 00 1 8	D1=902018
6 03 20	D1=9 0 200 18 b 6 0 3 2 14
0000400	
d 60 00 2 0 3	d 200 2 0 3
630000	e 35 & U 0
abede	
D2=902518	Du = 0 [0 25 4]
6603214	b 6 0 3 2 4
000040	c 0000 1 7
100203	10002031
235840	e 3 5 6 4 0
De abcde	
9 9 2 5 1 4	Time complexity o(ns) due to three loops
660324	each top has complantly of acri)
C 10 12 0 4 7	3.00
9 6 8 2 0 3	
Pg No. [2] 3 5 6 4 0]	Sandal



													7	ate:
	140 15 Mars					1.50								ate:
	1	2	6	4,	d	0	E	18						
preve		-1	a c	x k		1	C	1	1					
width	Section 1	0 1	2017 6 (20)	THE RESERVE OF THE PARTY OF THE	The second	0	5	10			A CONTRACTOR		-	
Hoop	:[(3)	4),(5	A) 1	12.16)]				10 13.00					
		+					1							
	a	b	STATE OF THE PARTY.	0	BECKE STO	OLIVIUS SEL		STATE OF THE PARTY OF						
previo	Old Monta d	SECTION SECTION	SHAPE AND SHAPE	2 0	1000	A STATE OF THE PARTY OF T	2016	d						
widh		-	-	5 3	destination of the	CONTRACTOR OF THE PARTY.	5	District Control			11/11/11			
theap: [130	1(39)	,15,	f),(1	12,6		NO 1	chang	je wha	n pr	achim	ge	and	of g
	+													
	•	b		d	SHIP YOUR	WEI THE	CONTRACTOR OF	Maria de la compansa del compansa de la compansa del compansa de la compansa de l	1					
previou		VIOLENCE DE	a	TO PRODUCE	- f	The latest		f						
width	1	12	5	Arrida - Con	professions	5		5						
Heap:	ls,e),(8	19)1 (12,16]			A LA				44 00			and relate
1134						0						A. C.		
	a	Ь	C		63		100	9						
previous	Town Sec	a	a	E COL		The Residence of		f				10 Sept. 1		
		12			2	15	1	5 1						
Heap: [(5,01)	1(5,9	lin	461]										
No chain	ge st	111 6	hile	broc	essa	7	010	and	9					
	a	100	C	A CONTRACTOR	A THE STATE OF	10000								
previous	+		d	-	Ь	C		NAME OF TAXABLE PARTY.						
width	American access	Mark to be sweet for	Section of the last	A Commence of the	u	5	1	1						
lcop:[18	7/(1)	1,e),1	(210	11	W 7 4 4	O Sept	14 10							
	a	1	CY			C	10	-						
0.0.10.1	and the same of th	b		d		+	9				1 1			
previous width		1	and the second second	artement of the last	11	8	5							
thop: [(s	2 11 1	11 1	10	111		6	13	-1						
1110	019/1	uje)	I IV	١١١										
	al	b	c	d	e	(*	10	1						
				UNITED STATES	25100	C	V	+	Heap	T) 199-
homans		THE OWNER OF TAXABLE PARTY.	10 mm 10 (3	10		100	1			1 60	1	-	ALL DESIGNATION OF THE PARTY OF	1 - 10 - 10 - 10 mg

