	CPTS 515 HWZ
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1	Review of Tarjan's algorithm
	to label enclarged
	in such tormat by - 1st visit sime
	with the following rule:
The contract of the contract o	for each unusit node:
	mark the time as 1st visit time, and visited
	for each neighborn the node as
-	if nuis unvisit;
Aug () minister	recursive -call
CONTRACTOR ACTION	mark the time as 2nd visit time
	@ sort the vertices based on ind visit time (decreasing)
	3) reverse every edge in the Graph G
Oracle of Street Control	and start with the 1st element in the sorted vertices
and the second second	to find SCC and store each SCC in SCC-list
VALUE OF THE STATE	
	Before applying torjan's algorithm, lets make the following
	tor each pair of an incent green
	vertices (or adjacent red vertices) add neccessary edge to make
+	them compose a SCC:
	them compose a SCC For example: "G" G"
-	for example. The neighbors method, now only the neighbors
-	For example: G G now only the neighbors method, now only the neighbors method, now only the neighbors with the same color as the parent are neighbors.
1	with the same course

which the way warm	For example: (9) neighbors (vo) returns
game adeptive school	(B) (G) (G) (B) (Q) (L) (1) (1)
contraction within	
maker Complete 2530-0	After the above 2 changes one made vun tarjan algorithm
constant distribution di Santal	on the modified graph twice:
aller and the second	1ct run: find all the green SCC
	2nd run: find all the red Scc
paccini deli dell'on 14 etipele	if there exist Size(Sccred) >= Size(Scc; Green)
	return true
	else return false
inter-constitution (Ampril	
2.	The problem is to find the max network flow subject
	to the constraint $C_1 + C_2 < K$, in other words,
	to make sure finding the max flow, C, +(2 = K-1
	My idea is to apply greedy hill climbing algorithm.
E-Tr ONCORE GOM	based of Ci, the range of Ci is Eo, 12-1]
	O randomly selectivalue for Ci from [0, K-1]
Or Marin or Albandon	then $C_z = C_1 - C_1 $
The Control of the Co	@ plug current c., Cz into the max-flow algorithm
ingo ora weeks mercen	to get current max Mmid.
-	3 repeat step 1 and 2 with (C1-1) and (C1+1)
titure against the state of	to get Miet and Mright accordingly
and the state of t	(4) if Mmid >= max (Mett, Mright)
	Mind is the Local maximum

	else Mmid = Max (Meft, Mright), C1 = max (C, Mett, C)
	and repeat from stop 2
	Restart. the whole process for a few time with different var
	start Ci value.
3	1 using BFS to find all the yellow nodes
	@ detach every yellow nodes from the original graph
	3 run tarjan's algorithm on updated graph
	for each SCC that has size >L:
	if SCC contains both red nodes and green
	return true;
,	endfor!
	return false
	/***
	Down Roof Down B
	O there leaves were set non state that & is a initiality
	long both Shouldn't & be a walk instead ! I a
	the question with the assumption that a is a wal
	***/

4 (1) path-count = 0 DFS LV, V') for each neighbor Vn of V: if Vn == v', path - count ++; else DFS (Vn, V'). end for end DT-S (2) good-path-counter = 0 --DFS (v, v', green_count = 0, yellow-counter=0) if v.color == green, green_count ++ elit V. color == yellow, yellow_count+ for each neighbor Vn of V: if (vn == v') if V'.color = = green green-counter + elit v'. rolor == yellow, yellow-counter+ if green-counter > yellow-counter good-path-counter+t endfor end DFS