好业12高星答:
1. 用深度优先搜索策略设计一个()(e)时间的算法,制定一个管
有图是宏思图(天有句图)。
解:一个有向图D没有有向图岩见反台D配备一个了完生少就是一
个强连通分支,见以就是包含以引强连属分支的报。因此,可
用求D副的有强连属分支的等法,制定D的强连属分支数是是学
于D的压造数段可
第12:
BEGIN
COUNT := 1;
number = 1 强连通分支的个数
FOR all vin V DO mark v "new";
initialize STACK to empty;
WHILE there exists a vertex v marked "new" DO
SEARCHC(V);
IF humber = COUNT THEN RETURN ( true)
ELSE RETURN (false);
END;
PROCEDURE SEARCHC (V);
BEGIN
mark v 'old''; 求强连通分支
DFNUMBER EV] == COUNT;
COUNT := COUNT +1;
LOWLINK [V] := DFNUMBER [V];
push v on STACK;

FOR each vortex w on LTVI DO	
IF w is marked "new" THEN	, <u> </u>
BEG 2N	4+1364
SEARCHC(W):	
LOWCINK [V] := MIN (LOWLIN	K[v], LOWLINK[w]),
END	A RIMARINA DE
ELSE	San Marie
IF CDFNUMBER [W] < DFNUMB	ER [v]) AND
w is on STACK THEN	·
LOWLINK [V] = MIN (DFN	IUMBER [w], LOWLINKE
IF LOWLINKEN] = DFNUMBEREN]	THEN
REG W	
number := number +1;	
REPEAT	
pop & from top of 87 print &;	ACK;
UNTIL X=V;	
END	ated component";
END;	
	1 10
	* *