Last Name:
instructions for question Q1 in the assignment document. For each of the three sub-questions, ir answer to the question in the given space.
After the DFS on G , the discovery times for vertices C, F, H are
After the DFS on G , the finish times for vertices B, E, H are

(C): Af	tter the DFS on G , th predecessors for vertices D, G, H are
<i>D</i> .π=	
<i>G.</i> π=	
Η.π=	
	structions for question Q2 in the assignment document. Write your answer related to the adjac of G^T in the given space.
The first no	ode on the adjacency list of vertex B is
The first no	ode on the adjacency list of vertex ${\cal C}$ is
The first no	ode on the adjacency list of vertex E is
The first no	ode on the adjacency list of vertex F is
The first no	ode on the adjacency list of vertex G is
The first no	ode on the adjacency list of vertex H is

- Q3: Read the instructions for question Q3 in the assignment document. For each of the two sub-questions, write your answer to the question in the given space.
 - (a): After the BFS on G, the distances of vertices D, H from vertex A are

D.d=

H.d=

(b): After the BFS on G, the predecessors of vertices D,H are

 $D.\pi=$

 $H.\pi=$

Q4: Read the instructions for question Q4 in the assignment document. For each of the three sub-questions, write your answer to the question in the given space.

(a): After the DFS on G, the discovery times for vertices C, F, H are

C.dsc =

F.dsc=

H.dsc =

(b): After the DFS on G, the finish times for vertices B, E, H are

B.fin=

E.fin=

H.fin=

(c): After the DFS on G, th predecessors for vertices D, G, H are

 $D.\pi=$

 $G.\pi=$

 $H.\pi=$