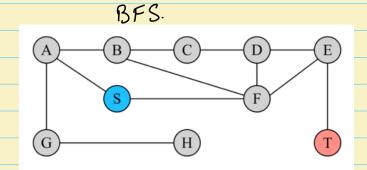
Assignment 1. [QA].

4

 $\mu - FIN$

COMP3270 (303594676w)

1.



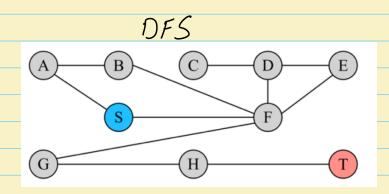
Queue (FIFO) Exploring Node. [5]. init. [SA, SF]. 3 [SF, SAB, SAG]. SAB, SAG, SFB, SFD, SFE]. F [SAG, SFB, SFD, SFE, SABC] B [SFB, SFD, SFE, SABC, SAGH] SKIP SFB, Since already visited. [SFE, SABC, SAGH, SFDE]. [SABC, SAGH, SFOE, SFET] E (SAGH, SFDE, SFET]. C

[SFDE, SFET].

(SAFBGDECH, SFET) exploration, path.

Skip SFDE since E visited.

2.



Exploring Node.

Stack (FILO).

Init

[S]

S [SA, SFB, SFD, SFE, SFG].

G [SA, SFB, SFD, SFE, SFGH]

H [SA, SFB, SFD, SFE, SFGH].

!!

(SFGH, SFGHT).

visit, path.

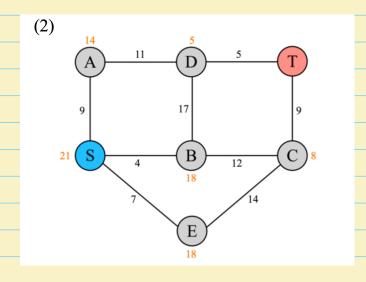
3.

OCS

A
9
C
3
T
B
6
D

Enployed Priority Queue. [(0,5)]. init [(2, SA), (7, SB)]. S [(G, SAD), (7, SB), (10, SAB), (11, SAC)]. A [(7, SB), (10, SAB), (10, SADC), (11, SAC),] 0 [(10, SAB), (10, BADC), (11, SAC), (12, SADB), B (13, 3BD), (14, SADT)]. Ship SAB Since B already visited. [(11, SAC), (12, SADB), (13, SADCT), (13, SBD), (14, SADT)]. SMIP SAC, SADB 41 (SADBC, SADCT) A* Search. 4.

Explored Priority Queue. [(14, 5)]. S [(14, 58), (16, 8A)]. B [(16, SA), (16, SBE), (17, SBC)]. A [(16, SBE), (17, SBC), (20, SAC), (20, SAD)]. E [(16, SBEC), (17, SBC), (20, SAC), (20, SAD)]. C [(17, SBC), (18, SBECT), (20, SAC), (20, SAD)]. SKD SBC as already violed C. !! (SBAEC, SBECT)



Fuplosed $P_{\underline{s};\underline{ovity}}$ Queue.

init: \[(21, 5) \]

S \[\left(22, SB), \quad (23, SA), \quad (25, SE) \right].

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B [(23, SA), (24, SBC), (25, SE), (26, SBD)].

A [(24, SBC), (25, SAD), (25, SE), (26, SBD)].

C [(25, SAD), (25, SBCT), (25, SE), (26, SBD)].

O [(25, SADT), (25, SBCT), (25, SE), (26, SBD)].

(SBACD, SADT)
```