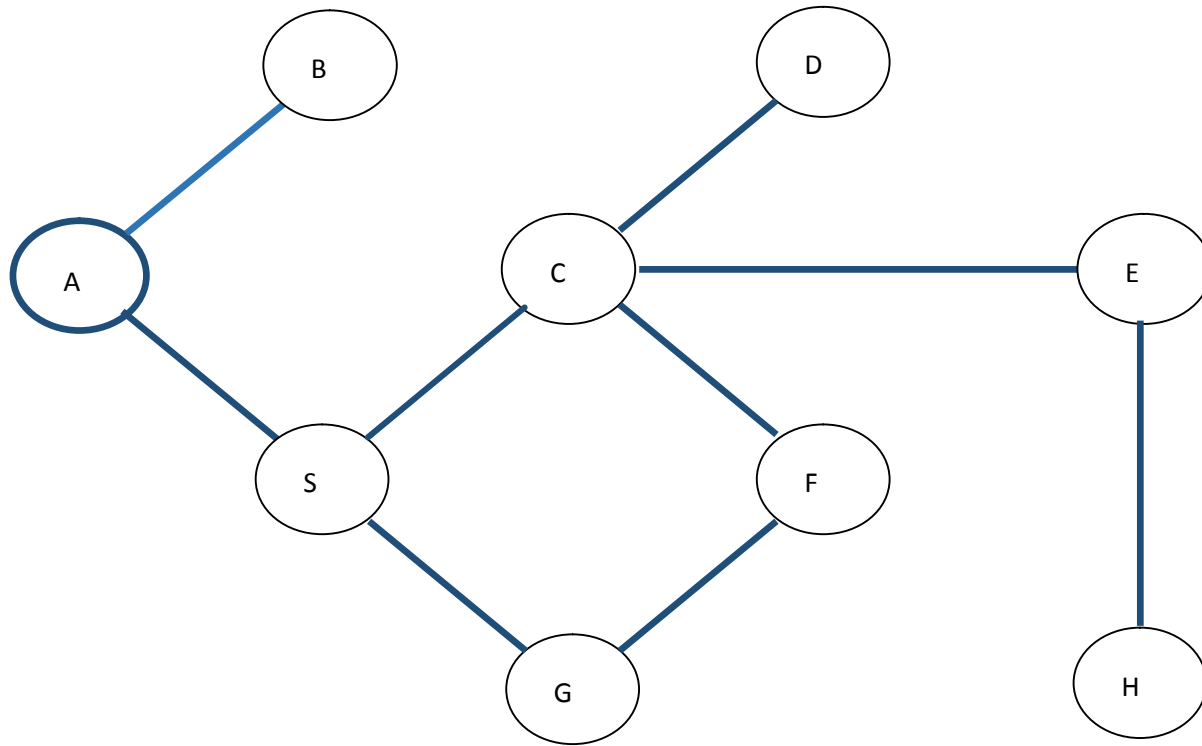


DFS & BFS

AGUAN SLAMET

2017150003

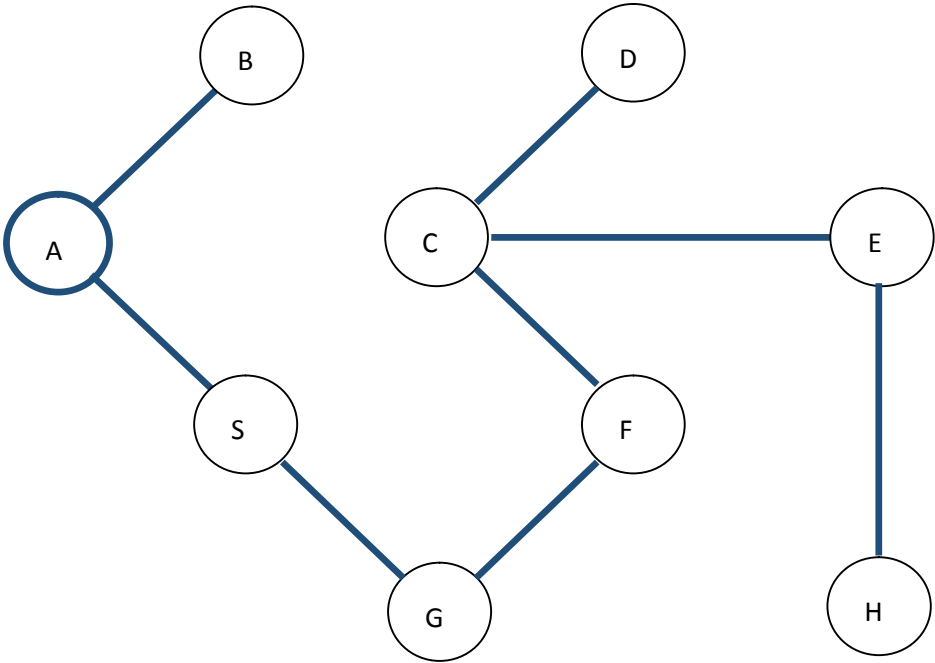
1. SOAL



1. (Akar) A – E (Tujuan)
2. Undirected Transversal BFS & DFS
3. Masukkan di dalam pseudocode

DEPTH FIRST SEARCH (DFS)

AB
A
AS
ASG
ASGF
ASGFC
ASGFCD
ASGFC
ASGFCE
ASGFCEH
ASGFCE



PSEUDOCODE DFS

Input a: Int

Mengunjungi seluruh simpul graf dgn Pencarian DFS

Masukan : A (adalah simpul awal kunjungan)

Keluaran : Semua simpul yang di kunjungi

W : int

Algoritma:

Write(A)

Dikunjungi(A) true

For w 1 to n do

 if $X(A, W) = 1$ then

 If not [w] then

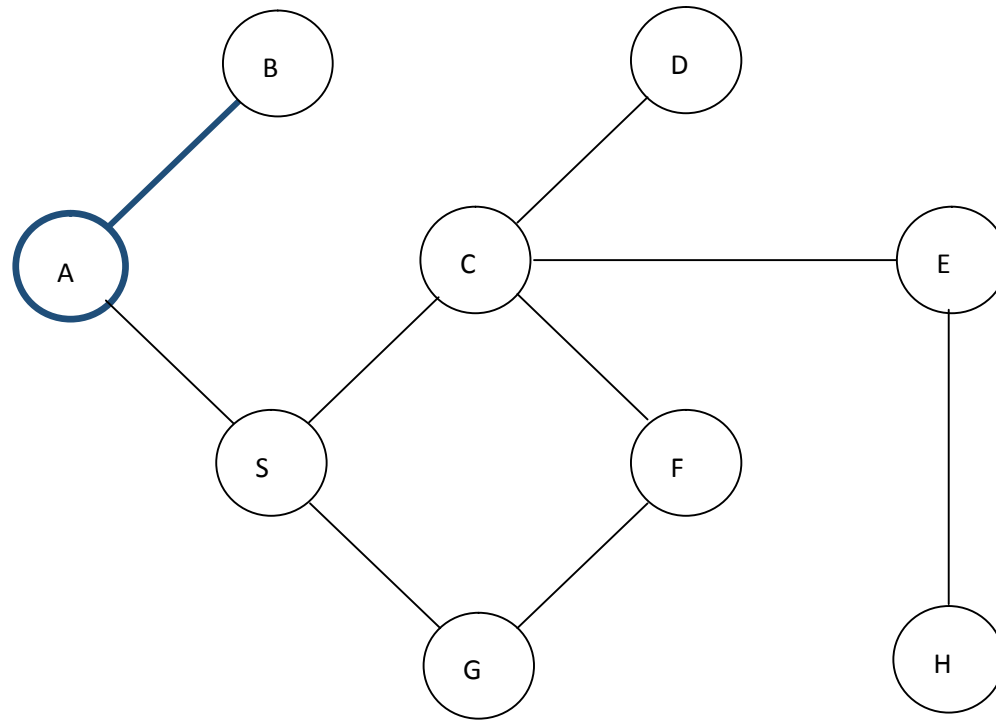
 DFS(W)

 }

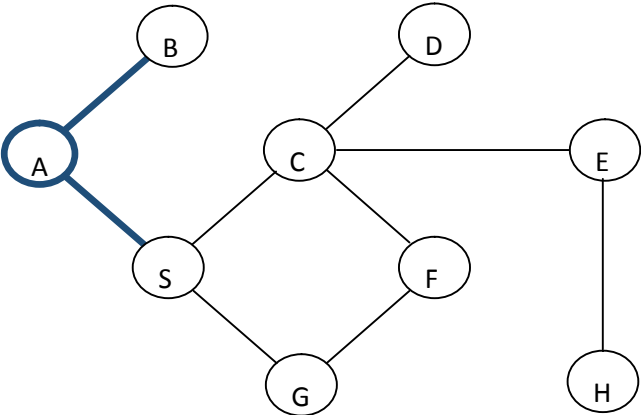
}

}

BREADTH FIRST SEARCH (BFS)

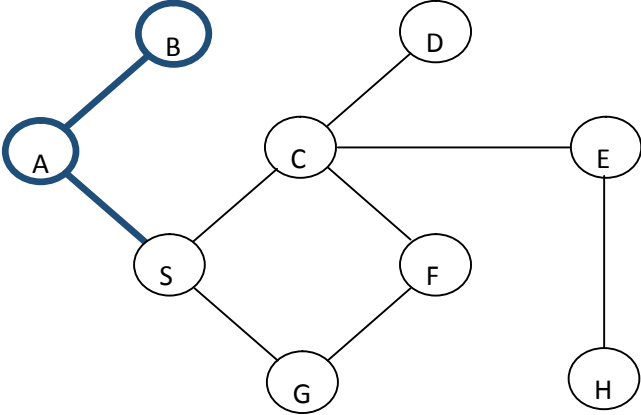


a)



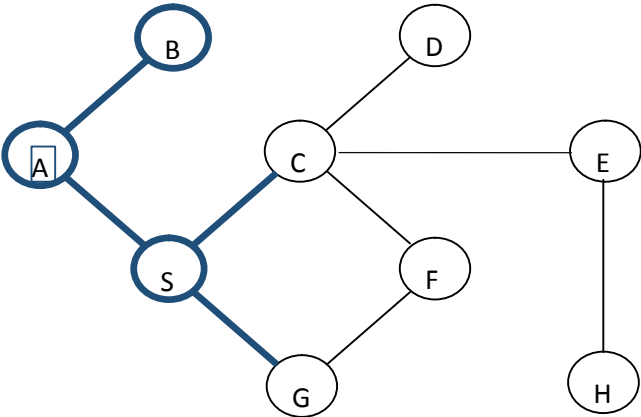
Queue	Output
A	A
B	
S	

b)



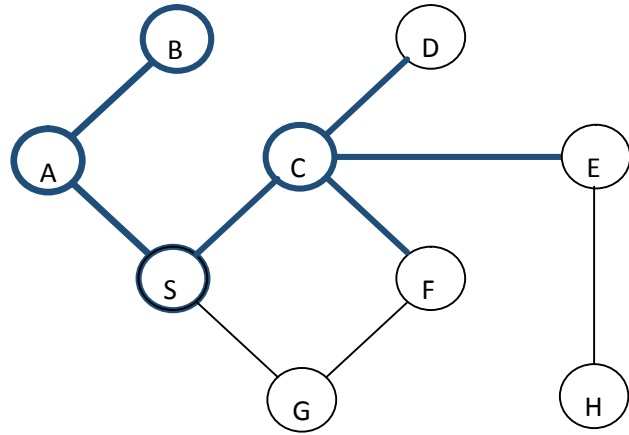
Queue	Output
B	A
S	B

c)

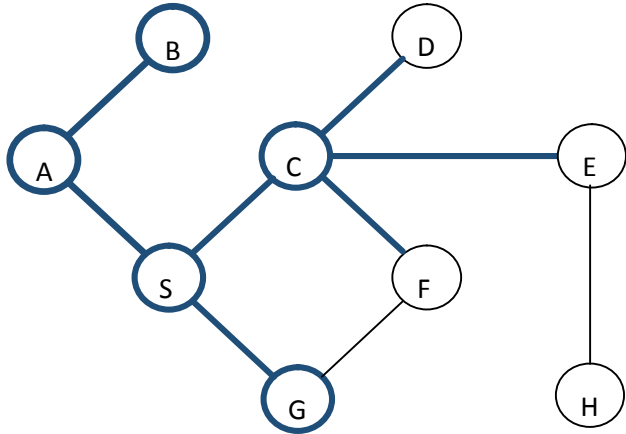


Queue	Output
S	A
C	B
G	S

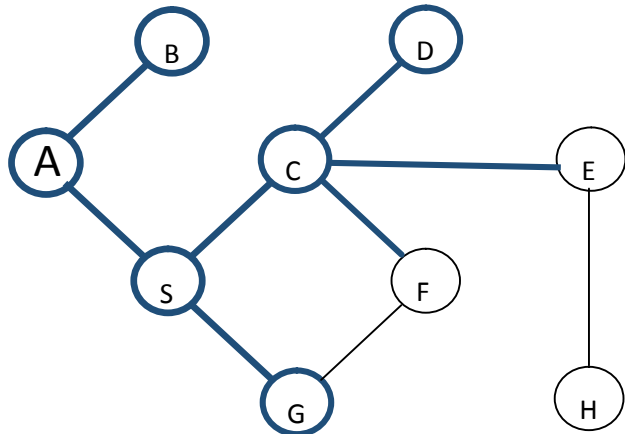
d)



e)



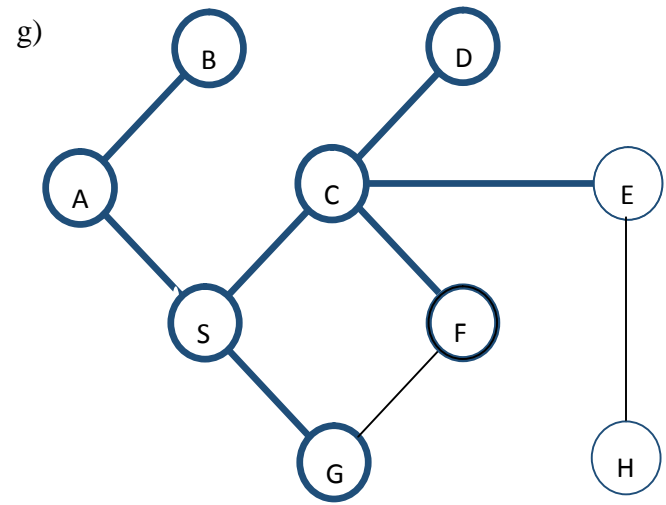
f)



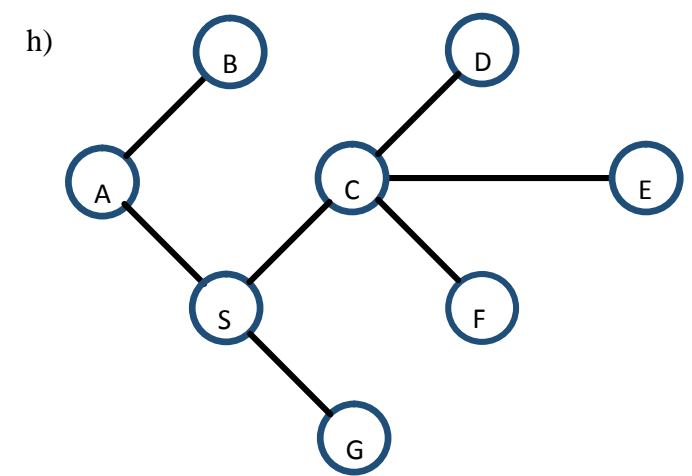
C	A
G	B
D	S
F	C
E	

G	A
D	B
F	S
E	C
	G

D	A
F	B
E	S
	C
	G
	D



F	A
E	B
	S
	C
	G
	D
	F



E	A
	B
	S
	C
	G
	D
	F
	E