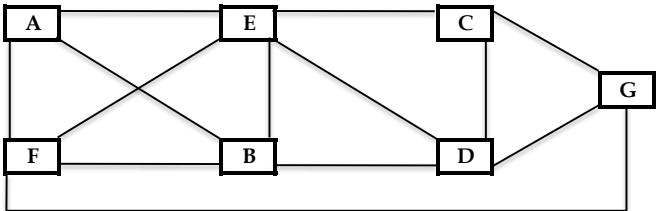


BREADTH FIRST SEARCH ALGORITHM

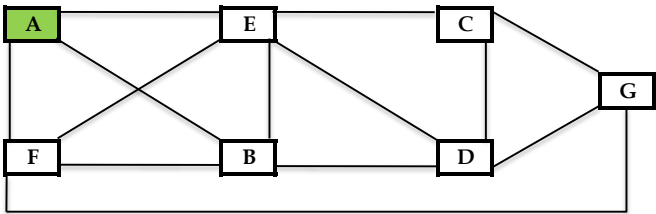
When the vertices are enqueued in different order.



	A	B	C	D	E	F	G
A	0	1	0	0	1	1	0
B	1	0	0	1	1	1	0
C	0	0	0	1	1	0	1
D	0	1	1	0	1	0	1
E	1	1	1	1	0	1	0
F	1	1	0	0	1	0	1
G	0	0	1	1	0	1	0

Adjacency Matrix

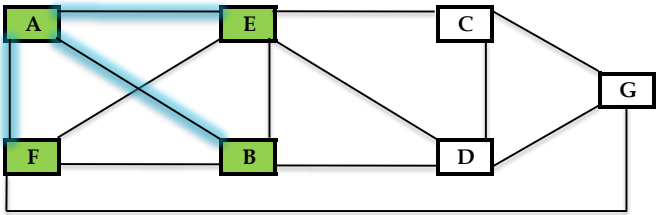
Initial State



SRC := A

VISITED[]	T	F	F	F	F	F	F
	A	B	C	D	E	F	G

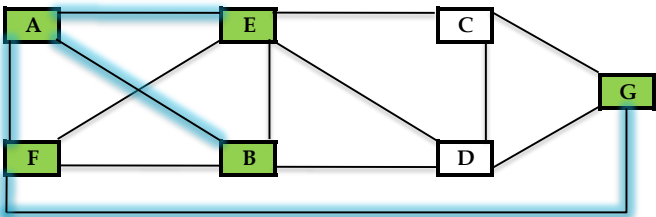
PATH[]	A	-	-	-	-	-	-
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Dequeue A Enqueue: F, E, B

VISITED[]	T	T	F	F	T	T	F
	A	B	C	D	E	F	G

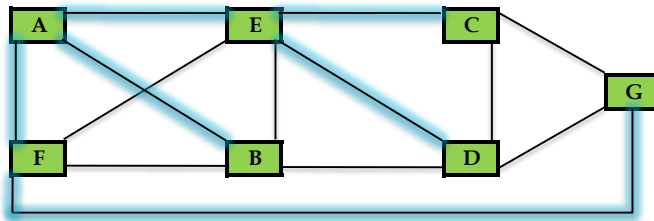
PATH[]	A	F	E	B	-	-	-
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Dequeue F Enqueue: G

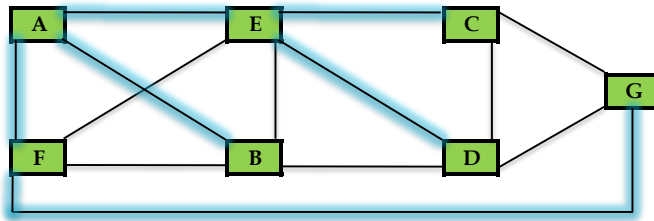
VISITED[]	T	T	F	F	T	T	T
	A	B	C	D	E	F	G

PATH[]	A	F	E	B	G		
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Dequeue	<b>E</b>	Enqueue: C, D						
	E	1	1	1	1	0	1	0
VISITED[]		T	T	T	T	T	T	T
		A	B	C	D	E	F	G

PATH[]	A	F	E	B	G	C	D
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Dequeue	<b>B</b>	[No Change,  V  traversed]						
	B	1	0	0	1	1	1	0
VISITED[]		T	T	T	T	T	T	T
		A	B	C	D	E	F	G

PATH[]	A	F	E	B	G	C	D
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AY - 2019-20