

1) visited / not visited

2) key > parent weight

Starting node  $\rightarrow 0$

0(0)	$\times$
1(6)	$\times$
3(9)	$\times$
2(1)	$\times$
8(3)	$\times$
7(1)	$\times$
5(2)	$\times$
4(12)	$\times$
3(2)	$\times$
4(3)	$\times$
4(2)	$\times$

0(0) : 1(6), 3(9), 2(1)

2(1) : 0(1), 3(10), 8(3), 7(1)

7(1) : 2(1), 8(9)

8(3) : 7(9), 2(3), 5(2), 4(12)

5(2) : 3(13), 4(19), 8(2)

1(6) : 0(6), 3(2), 4(3)

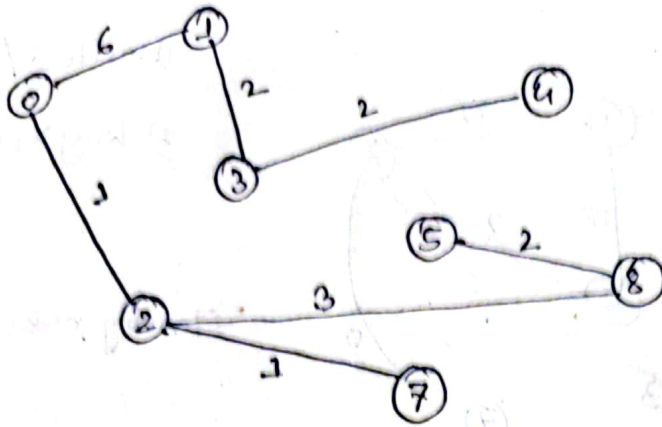
3(2) : 2(10), 0(9), 1(2), 4(2), 5(13)

4(2) : 1(3), 3(2), 5(19), 8(12)

4(3) :  $\rightarrow$

3(9) :  $\rightarrow$

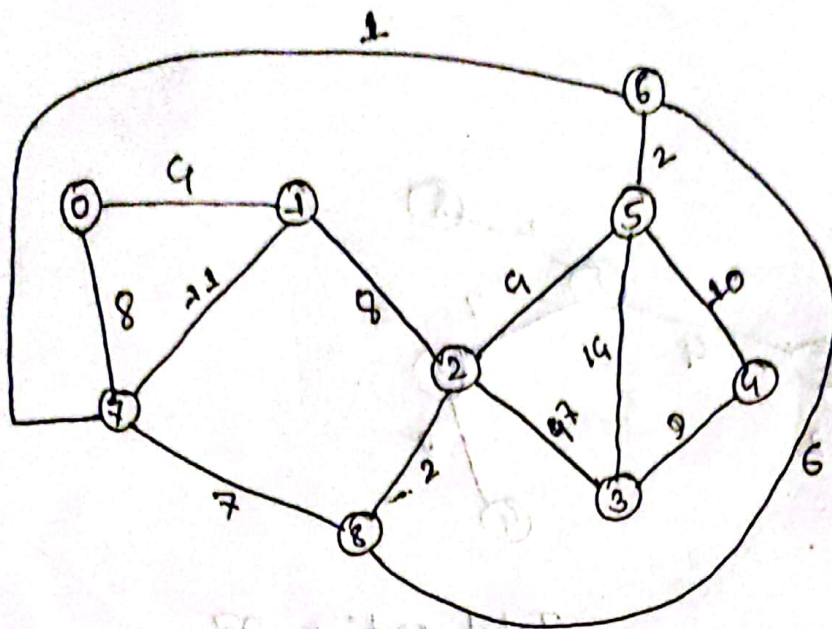
4(12) :  $\rightarrow$



Total cost  $\rightarrow 17$

	0	1	2	3	4	5	6	7	8
Parent	<del>0</del>	0	0	1	3	8	<del>2</del>	2	2
key	<del>0</del>	6	1	2	2	2	<del>1</del>	1	3
visited	T	T	T	T	T	T	<del>T</del>	T	T





Starting node  $\rightarrow 0$

mpg

0(0)	x
1(9)	x
7(8)	x
2(8)	x
8(7)	x
6(1)	x
5(2)	x
2(4)	x
8(6)	x
3(14)	x
4(10)	x
3(7)	x
8(2)	x
4(9)	x
4(6)	x
4(10)	x
3(14)	x

$0(0) : 1(4), 7(8)$

$6(1) : 0(4), 7(11), 2(8)$

$7(8) : 0(8), 1(11), 8(2), 6(1)$

$6(1) : 7(6), 8(6), 5(2)$

$5(2) : 6(2), 2(4), 3(14), 4(10)$

$2(4) : 5(4), 3(7), 8(2), 1(8)$

$8(2) : 7(7), 2(2), 6(6)$

$8(6) : \rightarrow$

$8(2) : \rightarrow$

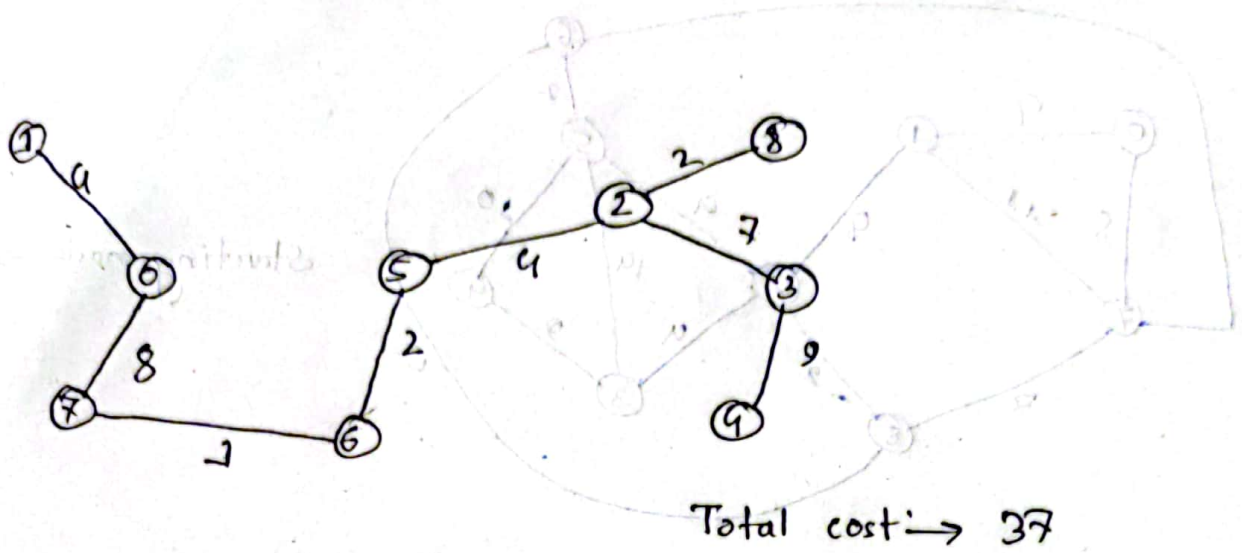
$3(7) : \rightarrow 2(4), 5(14), 4(9)$

$2(8) : \rightarrow$

$4(8) : \rightarrow 3(9), 6(10)$

$4(10) : \rightarrow$

$3(14) : \rightarrow$



	0	1	2	3	4	5	6	7	8
Parent	-1	0	5	2	3	6	7	0	2
key	4	6	4	7	9	2	1	8	2
visited	T	T	T	T	T	T	T	T	T

(0)10, (1)18, (2)5, (3)2, (4)12

(5)1, (6)2, (7)8, (8)7, (9)5

(2)10, (5)5, (7)8, (8)2

$\leftarrow$  (1)2

$\leftarrow$  (5)2

(0)10, (1)2, (2)5, (3)2, (4)12, (5)1, (6)2, (7)8, (8)7, (9)5

$\leftarrow$  (2)5

$\leftarrow$  (3)10

$\leftarrow$  (0)10

$\leftarrow$  (1)18