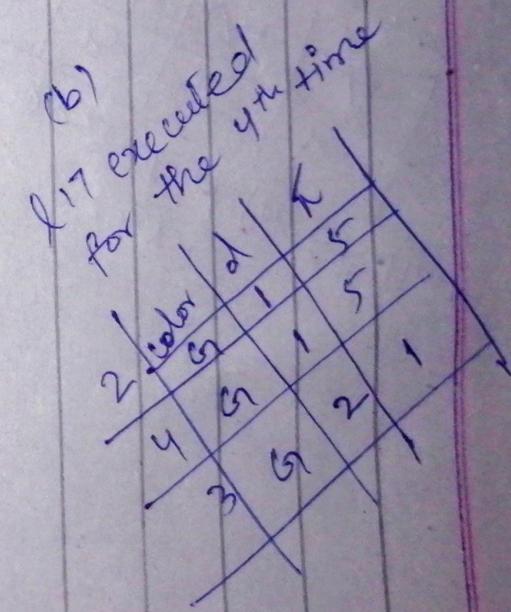
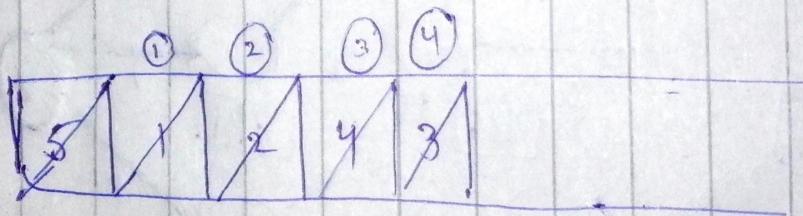
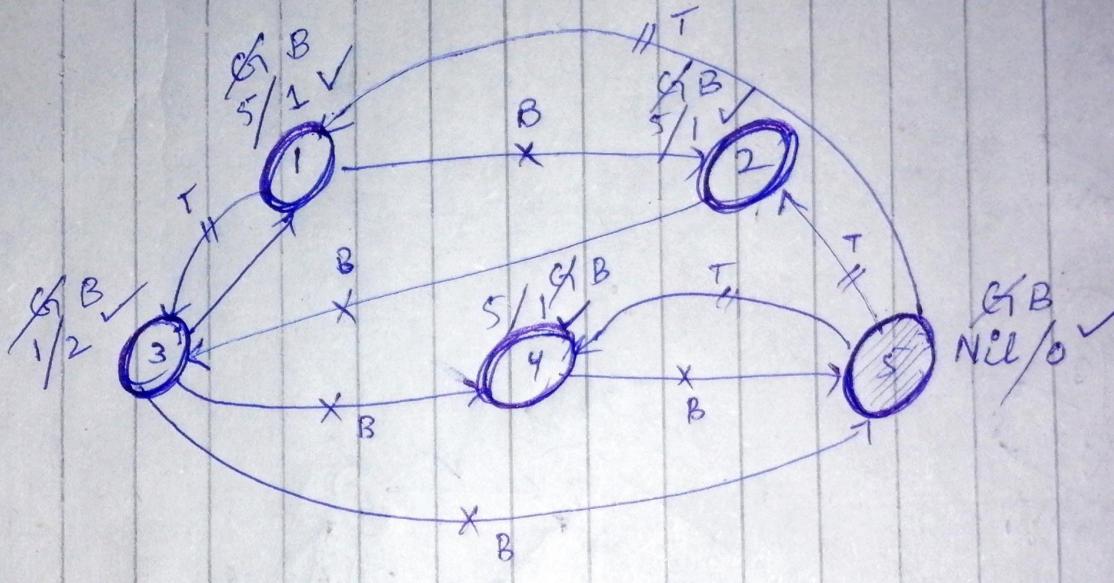
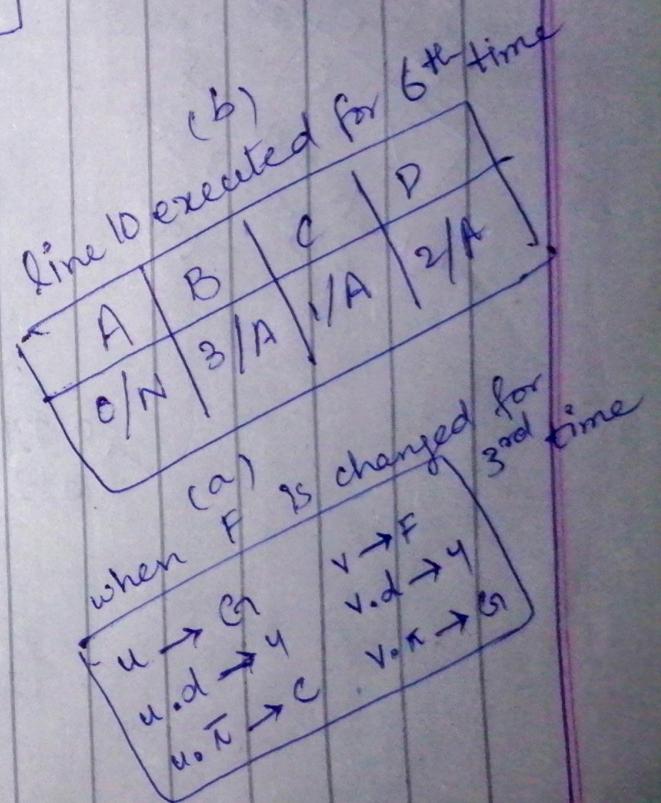
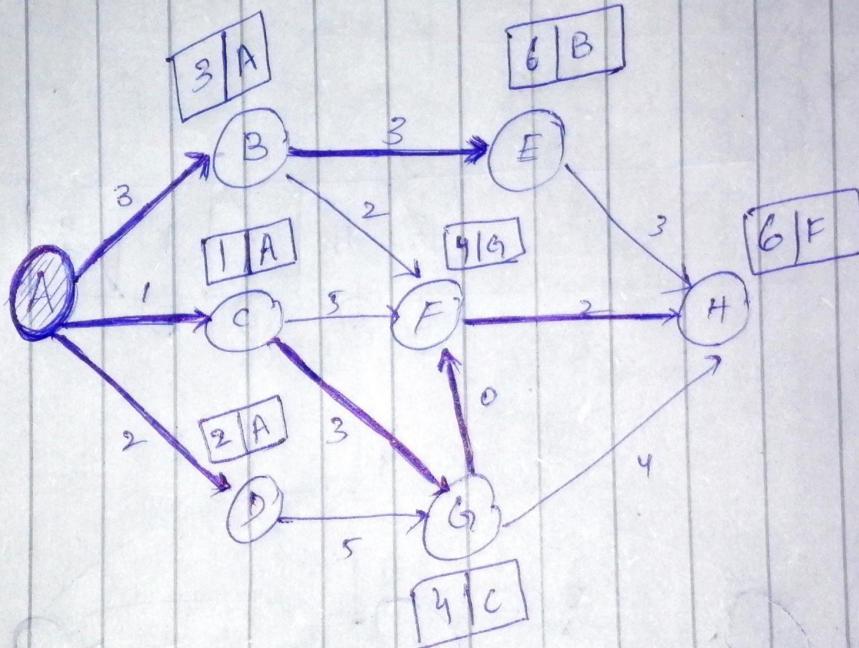


BFS

D.2

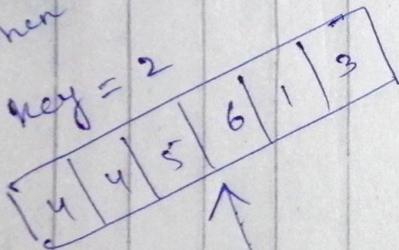


Q.3
DIJKSIRA



Q. 4
INSERTION SORT

(a) when 8 is reached
 key = 2



1	2	3	4	5	6
5	4	2	6	1	3

i j key = 4

l6(1)

1	2	3	4	5	6
5	5	2	6	1	3

l8(1)

1	2	3	4	5	6
4	5	2	6	1	3

i j key = 2

l6(2)

1	2	3	4	5	6
4	5	5	6	1	3

i j

l6(3)

1	2	3	4	5	6
4	4	5	6	1	3

l8(2)

1	2	3	4	5	6
2	4	5	6	1	3

1	2	3	4	5	6
2	4	5	6	1	3

i j key = 6

1	2	3	4	5	6
2	4	5	6	1	3

i j key = 1

l6(4)

1	2	3	4	5	6
2	4	5	6	6	3

l6(5)

1	2	3	4	5	6
2	4	5	5	6	3

l6(6)

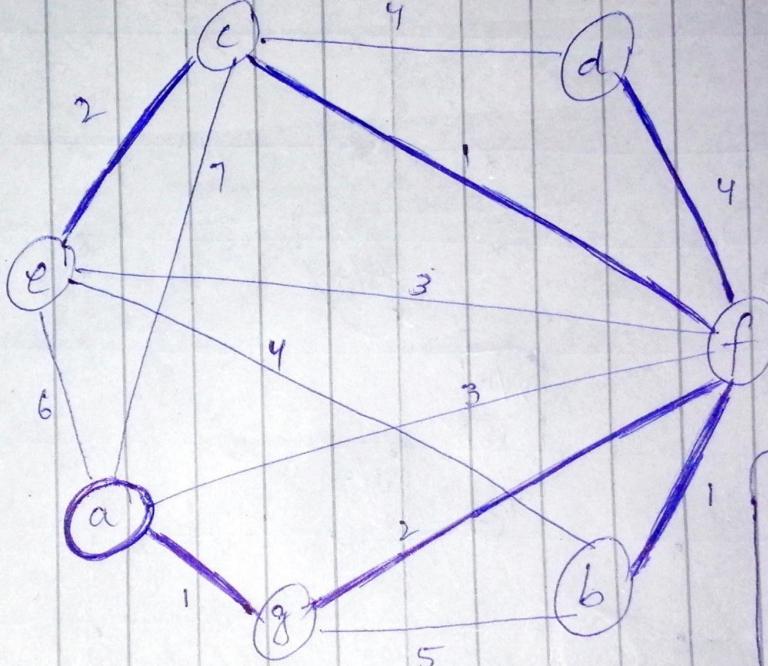
1	2	3	4	5	6
2	4	4	5	6	3

Key = 1 A[i] = 4

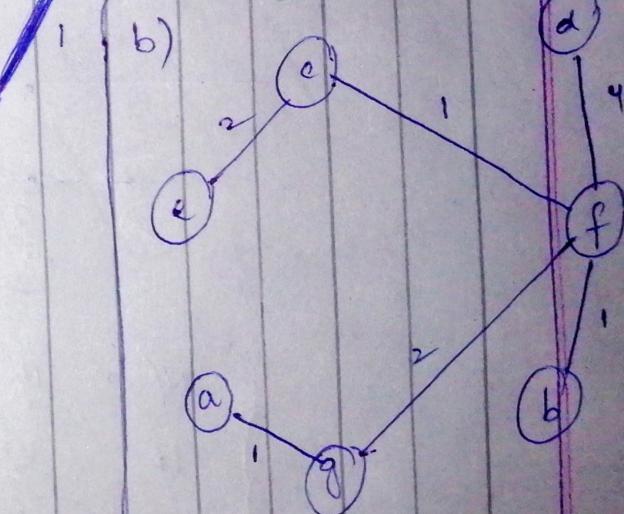
(b)
 when l6
 is executed
 for 6th time

Q.5
PRIMS

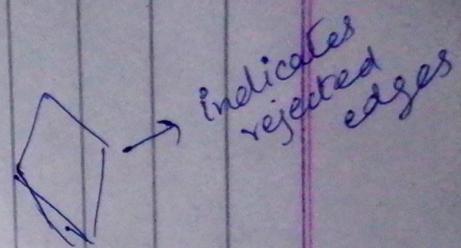
~~a) b) f i g
key
t
a
b
c
d
e
f
g
h
i
j~~



a)
weight = $1+2+1+4+1+2$
= 11



a	b	c	d	e	f	g
0/N	∞/N	∞/N	∞/N	∞/N	∞/N	∞/N
a 0/N	x			7/a		
g 1/a	x	5/g		6/a	3/a	1/g
f 2/g	x	1/f	1/f	4/f	3/f	x
b 1/f	x	x			x	x
c 1/f	x	x	x	2/c	x	x
e 2/c	x	x	x	x	x	x
d 4/f	x	x	x	x	x	x



(c)

g - b
 a - c
 a - e
 f - e
 a - f