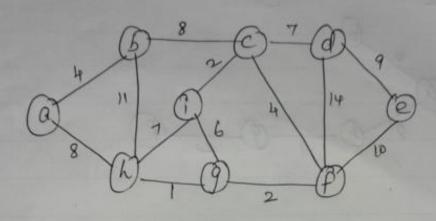
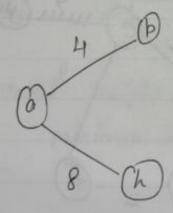
13 10



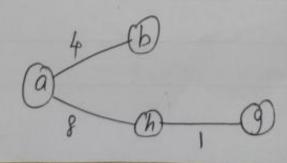
step!
Starting edge @ 4 B

find adjacent Kertices which is having least coeignt

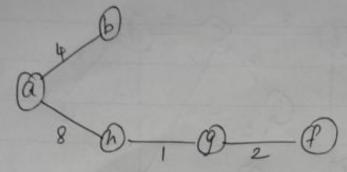
Step 2



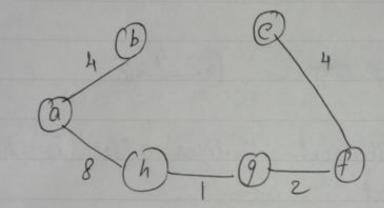
Step 3



Step 4



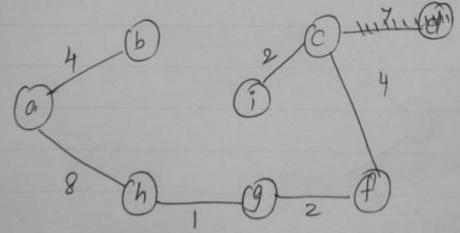
Step 5



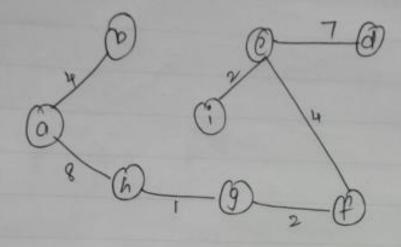
step 6

×.

*



Step 7



Total weight of the J= 4+8+1+2+4+2
minimum spanning tree J= 4+8+1+2+4+2

= 37.

96j	- 12-12-	2 3	4 5		
profet	10 1	2 20	22 40		
weight	2 3	4	5 7		
Plw	5 4	5	4.4 5	.71	
ai	P/w	оы	wt	Remai Sock t	ining weight
25=1	5.71	5	7	20-7 =1	/3
21 = 1	5	1	2	13-2 =	11
23=1	5	3	4	11-4 =	7
94=1	4.4	4	5	7-5 =	2
22 = 2/3	4	2	2/3	2-2	= 0
z ni u	ni = 1 x	2 + 2 x :	3 + 1×4 + 1,	x 5 + 1x7	
	=2+	2+4+5	+7		
.: / 2	=20 (2) i(v) = 20	#4/			
	NAME OF TAXABLE PARTY.	THE RESERVE OF THE PARTY OF THE	CONTRACTOR OF THE PARTY OF	AL PRINCIPAL OF	

14)

Enipi = 1 x10+ = x 12+1 x20+1x22 +1x40

= 10 +8 +20 +22 +40

=100

[: Ezip: =100]

87		1,		anlı
keye	House	Keyboard	Hemory	cpv
probability	P1=2/7	P2=1/7	P3=3/7	P4=47

e , , = P	=2/7
C212 = P2	= 47
C3,3 = P3	= 3/7
C4,4 = P4	= 1/7

	0	. 1	2	3	4
1	0	2/7			
2	8	0	4/7		
3			0	3/7	
4 1	-		1	0	17
st					0

Compute super diagonal e[l,2] $\begin{cases} e[l,2] + e[2,2] + p_1 + p_2 & \text{when } t=1 \\ e[l,2] = \min \end{cases} \begin{cases} e[l,1] + e[3,2] + p_1 + p_2 & \text{when } t=2 \\ e[l,1] + e[3,2] + p_1 + p_2 & \text{when } t=2 \end{cases}$

= $\min \left\{ 0 + \frac{1}{2} + \frac{3}{7}, \frac{2}{7} + 0 + \frac{3}{7}, \frac{7}{7} \right\}$ = $\min \left\{ \frac{4}{7}, \frac{5}{7} + \frac{3}{7} + \frac{4}{7} \right\}$

Hinimum is when k=1 $e[2,3] = min \begin{cases} c[2,1] + c[3,3] + P_1 + P_3 & \text{when } k=2 \\ c[2,2] + c[4,3] + P_1 + P_3 & \text{when } k=3 \end{cases}$ $= min \begin{cases} 0 + 3/7 + (1/7 + 3/7), 1/7 + 0 + (1/7 + 3/7) \end{cases}$

 $e[1,3] = \min \begin{cases} c[1,0] + c[2,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,1] + c[3,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + c[4,3] + p_1 + p_2 + p_3 & \text{when } i=1,j=3,\\ e[1,2] + p_1 + p_2$

=10/7 Cohen k=3

$$e[2,4] = \min \begin{cases} e[2,3] + e[5,4] + p_2 + p_3 + p_4 & \text{when } k = 3 \\ e[2,2] + e[4,4] + p_2 + p_3 + p_4 & \text{when } k = 4 \\ e[2,3] + e[5,4] + p_2 + p_3 + p_4 & \text{when } k = 4 \end{cases}$$

$$= \min \begin{cases} 5/7 + 0 + (\gamma_1 + 3/7 + \gamma_2), \ \gamma_2 + \gamma_3 + \gamma_4 + (\gamma_3 + \gamma_4), \ (\gamma_3 + 3/7 + \gamma_4), \ (\gamma_3 + 3/7 + \gamma_4) \end{cases}$$

= min $\{10/7, 7/7, 11/7\} = 7/7$ minimum when k=2

	0	1	2	3,	4
1	0	2/7	417	917	
2		0	77	5/7	7/7
			0	3/7	6/7
3 4	53			0	2/7
4	_				0

 $Se[1,0] + c[2,4] + P_1 + P_2 + P_3 + P_4, k=1$ $Se[1,0] + c[3,4] + P_1 + P_2 + P_3 + P_4 \text{ when } k=2$ $Se[1,1] + c[3,4] + P_1 + P_2 + P_3 + P_4 \text{ when } k=3$ $Se[1,2] + c[4,4] + P_1 + P_2 + P_3 + P_4 \text{ when } k=3$ $Se[1,2] + c[4,4] + P_1 + P_2 + P_3 + P_4 \text{ when } k=3$ $Se[1,2] + c[4,4] + P_1 + P_2 + P_3 + P_4 \text{ when } k=4$

$$= \min \left\{ 0 + \frac{7}{12} + \left(\frac{7}{12} \right), \frac{2}{12} + \frac{5}{12} + \left(\frac{7}{12} \right), \frac{2}{12} + \frac{5}{12} + \left(\frac{7}{12} \right), \frac{2}{12} + \frac{5}{12} + \frac{7}{12} + \frac{7}{$$

-11	0	1	2	3	4
1	0	2/7	4/1	10/2	12/7
2		0	1/7	5/7	ブラ
3			0	3/7	7/2
4		1		0	1/2
-5		-			D

	0	1	, 2	3	4
1	0	1	1	3	3
2		0	2	3	3
3			0	3	3
4				0	4
5					0

Enamine k (1,4) = 3. 3 forms root.

4th Hem forms right children

