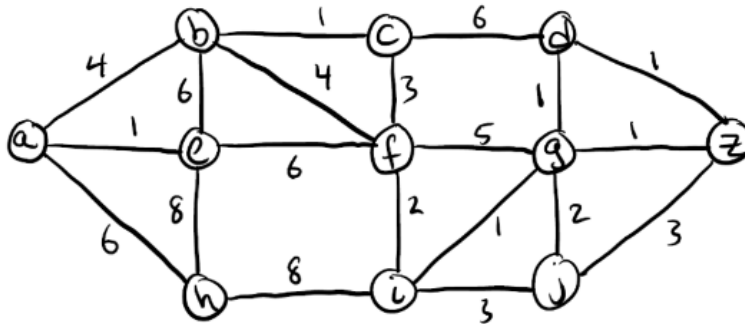


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2.) Gunakan algoritma Dijkstra's dalam menentukan shortest path dari graph pada gambar berikut :



Jawab :

i	S'	S	u	du	da	db	dc	dd	de	df	dg	dh	di	dj	dz
-	{a,b,c,d,e,f,g,h,i,j,z}	{}	-	-	0	th	th	th	th	th	th	th	th	th	th
1	{b,c,d,e,f,g,h,i,j,z}	{a}	a	0	0	4	th	th	1	th	th	6	th	th	th
2	{b,c,d,f,g,h,i,j,z}	{a,e}	e	1	0	4	th	th	1	7	th	6	th	th	th
3	{c,d,f,g,h,i,j,z}	{a,e,b}	b	4	0	4	5	th	1	7	th	6	th	th	th
4	{d,f,g,h,i,j,z}	{a,e,b,c}	c	5	0	4	5	11	1	7	th	6	th	th	th
5	{d,f,g,i,j,z}	{a,e,b,c,h}	h	6	0	4	5	11	1	7	th	6	14	th	th
6	{d,g,i,j,z}	{a,e,b,c,h,f}	f	7	0	4	5	11	1	7	12	6	9	th	th
7	{d,g,j,z}	{a,e,b,c,h,f,i}	i	9	0	4	5	11	1	7	10	6	9	12	th
8	{g,j,z}	{a,e,b,c,h,f,i,d}	g	10	0	4	5	11	1	7	10	6	9	12	11
9	{j,z}	{a,e,b,c,h,f,i,d,g}	d	11	0	4	5	11	1	7	10	6	9	12	11
10	{j}	{a,e,b,c,h,f,i,d,g,j}	z	11	0	4	5	11	1	7	10	6	9	12	11
1	{}	{a,e,b,c,h,f,i,d,g,j,z}	j	12	0	4	5	11	1	7	10	6	9	12	11