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Gambar Produk

CPM TABLE LIFTER

Activity Number	Activity Name	Immediate Predecessor (list number/name, separated by ',')	Normal Time	Crash Time	Normal Cost	Crash Cost
1	A		16	14	\$200,000	\$250,000
2	B		6	4	\$250,000	\$300,000
3	C	A,B	2	1	\$50,000	\$100,000
4	D	C	1	0.5	\$50,000	\$100,000
5	E		12	8	\$300,000	\$400,000
6	F	E	24	20	\$400,000	\$600,000
7	G	F	1	0.5	\$50,000	\$80,000
8	H	D,G	1	0.5	\$50,000	\$90,000
9	I	H	0.5	0.25	\$50,000	\$100,000
10	J	I	0.5	0.25	\$50,000	\$100,000
11	K		5	3	\$200,000	\$250,000
12	L		1	0.5	\$100,000	\$150,000
13	M	K,L	0.5	0.25	\$50,000	\$100,000
14	N		2	1	\$100,000	\$150,000
15	O	M,N	1	0.5	\$100,000	\$150,000
16	P		2	1	\$200,000	\$300,000
17	Q	O,P	1	0.5	\$100,000	\$150,000
18	R		4	3	\$450,000	\$500,000
19	S	R	1.5	1	\$200,000	\$300,000
20	T		4	3	\$250,000	\$350,000
21	U	S,T	1	0.5	\$100,000	\$200,000
22	V		6	4	\$400,000	\$500,000
23	W	U,V	2	1	\$200,000	\$300,000
24	X		1	0.5	\$200,000	\$300,000

25	Y	WX	0.5	0.25	\$50,000	\$100,000
26	Z		7	5	\$300,000	\$400,000
27	Activity27	YZ	1	0.5	\$100,000	\$150,000
28	Activity28		0.5	0.25	\$50,000	\$100,000
29	Activity29	Activity27 Activity28	0.5	0.25	\$150,000	\$250,000
30	Activity30	Activity29	1	0.5	\$150,000	\$250,000
31	Activity31	Activity30	1	0.5	\$150,000	\$300,000
32	Activity32	Activity31	0.5	0.25	\$50,000	\$100,000
33	Activity33	Q, Activity32	6	4	\$200,000	\$300,000
34	Activity34	Activity33	1	0.5	\$200,000	\$300,000
35	Activity35		8	6	\$300,000	\$400,000
36	Activity36	Activity35	8	6	\$400,000	\$500,000
37	Activity37	Activity36	8	6	\$400,000	\$600,000
38	Activity38		1	0.5	\$100,000	\$200,000
39	Activity39	Activity37, Activity38	0.5	0.25	\$50,000	\$100,000
40	Activity40		0.5	0.25	\$50,000	\$100,000
41	Activity41		6.5	5.5	\$300,000	\$600,000
42	Activity42	Activity40, Activity41	2	1	\$100,000	\$200,000
43	Activity43		0.5	0.25	\$50,000	\$100,000
44	Activity44	Activity42, Activity43	2	1	\$100,000	\$150,000
45	Activity45	Activity39, Activity44	3	1	\$100,000	\$200,000
46	Activity46	J, Activity34	8	6	\$400,000	\$600,000
47	Activity47	Activity45, Activity46	0.5	0.25	\$100,000	\$200,000
48	Activity48	Activity47	2.5	1.5	\$300,000	\$400,000
49	Activity49	Activity48	24	20	\$400,000	\$600,000

Activity Analysis for CPM TABLE LIFTER (Using Normal Time)

08-20-2005 12:36:29	Activity Name	On Critical Path	Activity Time	Earliest Start	Earliest Finish	Latest Start	Latest Finish	Slack (LS-ES)
1	A	no	16	0	16	18	34	18
2	B	no	6	0	6	28	34	28
3	C	no	2	16	18	34	36	18
4	D	no	1	18	19	36	37	18
5	E	Yes	12	0	12	0	12	0
6	F	Yes	24	12	36	12	36	0
7	G	Yes	1	36	37	36	37	0
8	H	Yes	1	37	38	37	38	0
9	I	Yes	0.5	38	38.5	38	38.5	0
10	J	Yes	0.5	38.5	39	38.5	39	0
11	K	no	5	0	5	24.5	29.5	24.5
12	L	no	1	0	1	28.5	29.5	28.5
13	M	no	0.5	5	5.5	29.5	30	24.5
14	N	no	2	0	2	28	30	28
15	O	no	1	5.5	6.5	30	31	24.5
16	P	no	2	0	2	29	31	29
17	Q	no	1	6.5	7.5	31	32	24.5
18	R	no	4	0	4	19	23	19
19	S	no	1.5	4	5.5	23	24.5	19
20	T	no	4	0	4	20.5	24.5	20.5
21	U	no	1	5.5	6.5	24.5	25.5	19
22	V	no	6	0	6	19.5	25.5	19.5
23	W	no	2	6.5	8.5	25.5	27.5	19
24	X	no	1	0	1	26.5	27.5	26.5

25	Y	no	0.5	8.5	9	27.5	28	19
26	Z	no	7	0	7	21	28	21
27	Activity27	no	1	9	10	28	29	19
28	Activity28	no	0.5	0	0.5	28.5	29	28.5
29	Activity29	no	0.5	10	10.5	29	29.5	19
30	Activity30	no	1	10.5	11.5	29.5	30.5	19
31	Activity31	no	1	11.5	12.5	30.5	31.5	19
32	Activity32	no	0.5	12.5	13	31.5	32	19
33	Activity33	no	6	13	19	32	38	19
34	Activity34	no	1	19	20	38	39	19
35	Activity35	no	8	0	8	19.5	27.5	19.5
36	Activity36	no	8	8	16	27.5	35.5	19.5
37	Activity37	no	8	16	24	35.5	43.5	19.5
38	Activity38	no	1	0	1	42.5	43.5	42.5
39	Activity39	no	0.5	24	24.5	43.5	44	19.5
40	Activity40	no	0.5	0	0.5	39.5	40	39.5
41	Activity41	no	6.5	0	6.5	33.5	40	33.5
42	Activity42	no	2	6.5	8.5	40	42	33.5
43	Activity43	no	0.5	0	0.5	41.5	42	41.5
44	Activity44	no	2	8.5	10.5	42	44	33.5
45	Activity45	no	3	24.5	27.5	44	47	19.5
46	Activity46	Yes	8	39	47	39	47	0
47	Activity47	Yes	0.5	47	47.5	47	47.5	0
48	Activity48	Yes	2.5	47.5	50	47.5	50	0
49	Activity49	Yes	24	50	74	50	74	0
	Project	Completion	Time	=	74	HOURS		
	Total	Cost of	Project	=	\$8,650,000	(Cost on CP =	\$2,100,000)	
	Number of	Critical	Path(s)	=	1			

Activity Analysis for CPM TABLE LIFTER (Using Crash Time)

09-05-2005 17:50:08	Activity Name	On Critical Path	Activity Time	Earliest Start	Earliest Finish	Latest Start	Latest Finish	Slack (LS-ES)
1	A	no	16	0	16	9.5	25.5	9.5
2	B	no	6	0	6	19.5	25.5	19.5
3	C	no	2	16	18	25.5	27.5	9.5
4	D	no	1	18	19	27.5	28.5	9.5
5	E	Yes	8	0	8	0	8	0
6	F	Yes	20	8	28	8	28	0
7	G	Yes	0.5	28	28.5	28	28.5	0
8	H	Yes	0.5	28.5	29	28.5	29	0
9	I	Yes	0.25	29	29.25	29	29.25	0
10	J	Yes	0.25	29.25	29.5	29.25	29.5	0
11	K	no	5	0	5	15	20	15
12	L	no	1	0	1	19	20	19
13	M	no	0.5	5	5.5	20	20.5	15
14	N	no	2	0	2	18.5	20.5	18.5
15	O	no	1	5.5	6.5	20.5	21.5	15
16	P	no	2	0	2	19.5	21.5	19.5
17	Q	no	1	6.5	7.5	21.5	22.5	15
18	R	no	4	0	4	9.5	13.5	9.5
19	S	no	1.5	4	5.5	13.5	15	9.5
20	T	no	4	0	4	11	15	11
21	U	no	1	5.5	6.5	15	16	9.5
22	V	no	6	0	6	10	16	10
23	W	no	2	6.5	8.5	16	18	9.5
24	X	no	1	0	1	17	18	17
25	Y	no	0.5	8.5	9	18	18.5	9.5

26	Z	no	7	0	7	11.5	18.5	11.5
27	Activity27	no	1	9	10	18.5	19.5	9.5
28	Activity28	no	0.5	0	0.5	19	19.5	19
29	Activity29	no	0.5	10	10.5	19.5	20	9.5
30	Activity30	no	1	10.5	11.5	20	21	9.5
31	Activity31	no	1	11.5	12.5	21	22	9.5
32	Activity32	no	0.5	12.5	13	22	22.5	9.5
33	Activity33	no	6	13	19	22.5	28.5	9.5
34	Activity34	no	1	19	20	28.5	29.5	9.5
35	Activity35	no	8	0	8	8	16	8
36	Activity36	no	8	8	16	16	24	8
37	Activity37	no	8	16	24	24	32	8
38	Activity38	no	1	0	1	31	32	31
39	Activity39	no	0.5	24	24.5	32	32.5	8
40	Activity40	no	0.5	0	0.5	28	28.5	28
41	Activity41	no	6.5	0	6.5	22	28.5	22
42	Activity42	no	2	6.5	8.5	28.5	30.5	22
43	Activity43	no	0.5	0	0.5	30	30.5	30
44	Activity44	no	2	8.5	10.5	30.5	32.5	22
45	Activity45	no	3	24.5	27.5	32.5	35.5	8
46	Activity46	Yes	6	29.5	35.5	29.5	35.5	0
47	Activity47	Yes	0.25	35.5	35.75	35.5	35.75	0
48	Activity48	Yes	1.5	35.75	37.25	35.75	37.25	0
49	Activity49	Yes	20	37.25	57.25	37.25	57.25	0
	Project	Completion	Time	=	57.25	HOURS		
	Total	Cost of	Project	=	\$9,720,000	(Cost on	CP =	\$3,170,000)
	Number of	Critical	Path(s)	=	1			

Crashing Analysis for CPM TABLE LIFTER

08-26-2005 17:05:12	Activity Name	Critical Path	Normal Time	Crash Time	Suggested Time	Additional Cost	Normal Cost	Suggested Cost
1	A	no	16	14	16	0	\$200,000	\$200,000
2	B	no	6	4	6	0	\$250,000	\$250,000
3	C	no	2	1	2	0	\$50,000	\$50,000
4	D	no	1	0.5	1	0	\$50,000	\$50,000
5	E	Yes	12	8	8	\$100,000	\$300,000	\$400,000
6	F	Yes	24	20	20	\$200,000	\$400,000	\$600,000
7	G	Yes	1	0.5	0.5	\$30,000	\$50,000	\$80,000
8	H	Yes	1	0.5	0.5	\$40,000	\$50,000	\$90,000
9	I	Yes	0.5	0.25	0.5	0	\$50,000	\$50,000
10	J	Yes	0.5	0.25	0.5	0	\$50,000	\$50,000
11	K	no	5	3	5	0	\$200,000	\$200,000
12	L	no	1	0.5	1	0	\$100,000	\$100,000
13	M	no	0.5	0.25	0.5	0	\$50,000	\$50,000
14	N	no	2	1	2	0	\$100,000	\$100,000
15	O	no	1	0.5	1	0	\$100,000	\$100,000
16	P	no	2	1	2	0	\$200,000	\$200,000
17	Q	no	1	0.5	1	0	\$100,000	\$100,000
18	R	no	4	3	4	0	\$450,000	\$450,000
19	S	no	1.5	1	1.5	0	\$200,000	\$200,000
20	T	no	4	3	4	0	\$250,000	\$250,000
21	U	no	1	0.5	1	0	\$100,000	\$100,000
22	V	no	6	4	6	0	\$400,000	\$400,000
23	W	no	2	1	2	0	\$200,000	\$200,000
24	X	no	1	0.5	1	0	\$200,000	\$200,000
25	Y	no	0.5	0.25	0.5	0	\$50,000	\$50,000

26	Z	no	7	5	7	0	\$300,000	\$300,000
27	Activity27	no	1	0.5	1	0	\$100,000	\$100,000
28	Activity28	no	0.5	0.25	0.5	0	\$50,000	\$50,000
29	Activity29	no	0.5	0.25	0.5	0	\$150,000	\$150,000
30	Activity30	no	1	0.5	1	0	\$150,000	\$150,000
31	Activity31	no	1	0.5	1	0	\$150,000	\$150,000
32	Activity32	no	0.5	0.25	0.5	0	\$50,000	\$50,000
33	Activity33	no	6	4	6	0	\$200,000	\$200,000
34	Activity34	no	1	0.5	1	0	\$200,000	\$200,000
35	Activity35	no	8	6	8	0	\$300,000	\$300,000
36	Activity36	no	8	6	8	0	\$400,000	\$400,000
37	Activity37	no	8	6	8	0	\$400,000	\$400,000
38	Activity38	no	1	0.5	1	0	\$100,000	\$100,000
39	Activity39	no	0.5	0.25	0.5	0	\$50,000	\$50,000
40	Activity40	no	0.5	0.25	0.5	0	\$50,000	\$50,000
41	Activity41	no	6.5	5.5	6.5	0	\$300,000	\$300,000
42	Activity42	no	2	1	2	0	\$100,000	\$100,000
43	Activity43	no	0.5	0.25	0.5	0	\$50,000	\$50,000
44	Activity44	no	2	1	2	0	\$100,000	\$100,000
45	Activity45	no	3	1	3	0	\$100,000	\$100,000
46	Activity46	Yes	8	6	7	\$100,000	\$400,000	\$500,000
47	Activity47	Yes	0.5	0.25	0.5	0	\$100,000	\$100,000
48	Activity48	Yes	2.5	1.5	2.5	0	\$300,000	\$300,000
49	Activity49	Yes	24	20	20	\$200,000	\$400,000	\$600,000
	Overall	Project:			60	\$670,000	\$8,650,000	\$9,320,000



Struktur Organisasi

P R E S I D E N

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