

to crash non-critical

most profitable option.
crash costs.

activities will need to be
are not separate i.e.
to crash the shared

previously crashed
as float.

project times.

time for an activity,

(day, weeks etc) is

overall project time
lowest cost slope.

the critical path.

not be so and care
circumstances point to

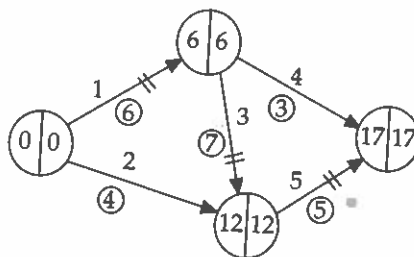
subcritical activity,
d. Always look for

activity		Normal	Crash	Cost	
				Normal £	Crash £
1	-	6	4	500	620
2	-	4	2	300	390
3	1	7	6	650	680
4	1	3	2	400	450
5	2,3	5	3	850	1,000

2. Construct a least cost schedule for the network in question 1 showing all durations from normal time - normal cost to crash time - crash cost.

Answers to exercises

1. Critical path



Cost slopes

Activity	Cost slope
1	£60
2	45
3	30
4	50
5	75

2. Total normal cost £3,700 with 17 day duration

	Cost
16 day duration (Activity 3)	£2,730
15 day duration (Activity 1)	£2,790
14 day duration (Activity 1)	£2,850
13 day duration (Activity 5)	£2,925
12 day duration (Activity 5)	£3,000