

EXAMPLE 2

A nominated sub-contractor has programmed the air conditioning, heating and water services for a six-storey office block, using network analysis.

A study of the main contractor's revised programme and the inter-relationship between trades shows that the plastering to ground floor walls is due to be completed on DAY 145, nine days before the nominated sub-contractor is required to start fixing radiators to the ground floor.

- (a) Using the information in Table 1, investigate the possibility and the cost implications to the nominated sub-contractor of bringing forward the earliest start date for the critical activity "FIX RADIATORS GROUND FLOOR" to DAY 145.
- (b) Advise the nominated sub-contractor concerning the optimum start date in terms of cost for the activity "FIX RADIATORS GROUND FLOOR".

Comment on the limitations of such advice.

EXTRACT FROM NOMINATED SUB-CONTRACTOR'S PROGRAMME

Activity i - j	Normal		Crash	
	Time (days)	Direct Costs (£)	Time (days)	Direct Costs (£)
61 - 62	6	420	5	500
61 - 63	14	560	8	800
62 - 64	5	250	4	320
62 - 65	10	400	7	670
63 - 64	0	0	0	0
63 - 66	8	560	5	680
64 - 65	6	300	4	420
65 - 66	4	360	3	390
66 - 67	FIX RADIATORS GROUND FLOOR.			

Indirect Costs £60 per day

Table 1.