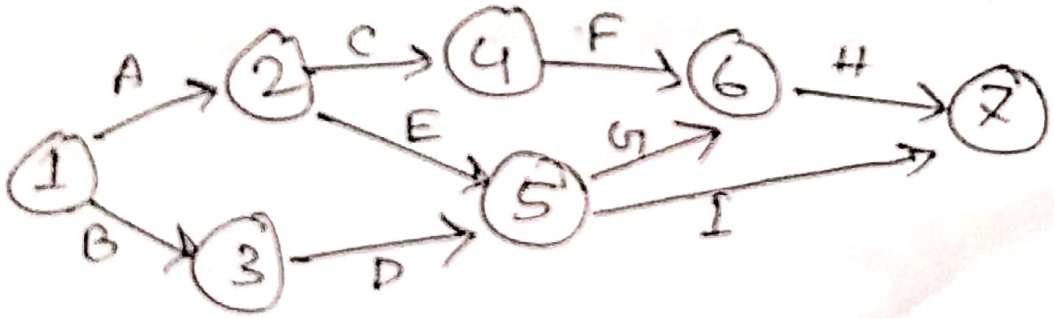
A.T.M. Fazlay Rabbi
(0926)

	Time		Cost		Cost Slope	Effective cost slope	Day Available
	Normal	Crash	Normal	crash			
A(1-2)	8	4	3000	6000	750	250	4
B(1-3)	5	3	4000	8000	2000	1000	2
C(2-4)	9	6	4000	5500	500	500	3
D(3-5)	7	5	2000	3200	600	300	2
E(2-5)	5	1	8000	12000	1000	500	4
F(4-6)	3	$2\frac{1}{2}$	10,000	11200	2400	2400	1/2
G(5-6)	6	2	4000	4800	700	350	4
H(6-7)	10	7	6000	8700	900	300	3
I(5-7)	9	5	4200	9000	1200	600	4
			= 45,200	= 70,400			



A → C → F → H ⇒ 30 (critical)

A → E → G → H ⇒ 29

A → E → I ⇒ 22

B → D → G → H ⇒ 28

B → D → I ⇒ 21

A → C → F → H ⇒ 30 29 28 27 26 25 24 23 22 21 20 19½

A → E → G → H ⇒ 29 28 27 26 25 24 23 22 21 20 19 13½

A → E ⇒ I ⇒ 22 21 20 19 18

B → D → G → H ⇒ 28 27 26 25 24 23 22 21 20 D½

B → D → I ⇒ 21 20 19

A → 4 3 2 1 0

B → 2

C → 3 2 1 0

D → 2 1 0

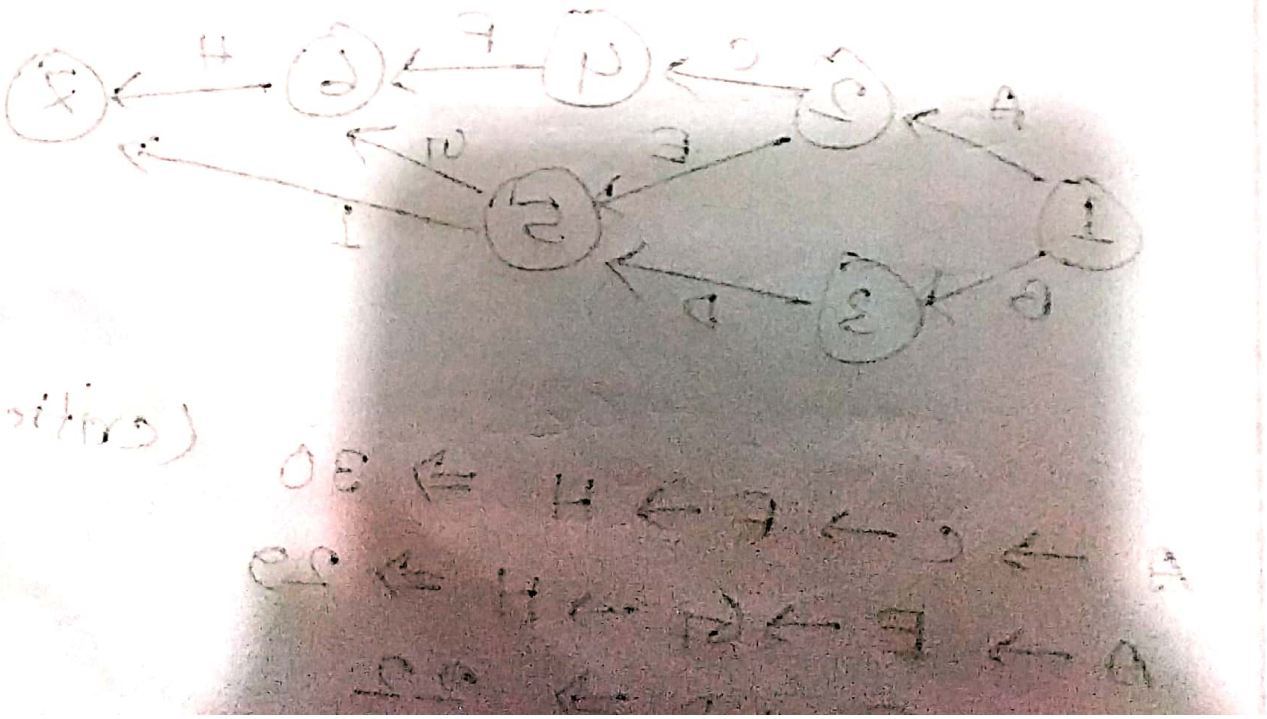
E → 4

F → 1 0

G → 4 3 2 1

H → 3 2 1 0

I → 4



(1) Crash A 1 day

cost = 45200 + 750 = 45950

(2) Crash A 1 day

cost = 45950 + 750 = 46700

(3) Crash H 1 day

cost = 46700 + 900 = 47600

(4) Crash H 1 day

cost = 47600 + 900 = 48500

(5) Crash H 1 day

cost = 48500 + 900 = 49400

(6) ~~A, D~~ Crash A, D 1 day

cost = 49400 + 750 + 600 = 50,750

(7) Crash A, D 1 day

cost = 50750 + 750 + 600 = 52,100

(8) Crash C, G 1 day

cost = 52100 + 500 + 700 = 53,300

(9) Crash C, G 1 day

cost = 53300 + 500 + 700 = 54500

(10) Crash C, G 1 day

cost = 54500 + 500 + 700 = 55700

(11) Crash F, G 1/2 day

cost = 55700 + 1200 + 350 = 57250

Total crash = $10\frac{1}{2}$ days

Indirect cost at 30th day

= 2000 × 30 = 60,000

Indirect cost at $19\frac{1}{2}$ th day

= 60,000 − $2000 \times 10\frac{1}{2}$

= 39000

∴ Total cost = 57250 + 39000

= 96250

Delivery → $4\frac{1}{2}$ day earlier

premium value = $50000 \times 4\frac{1}{2}$

= 225000