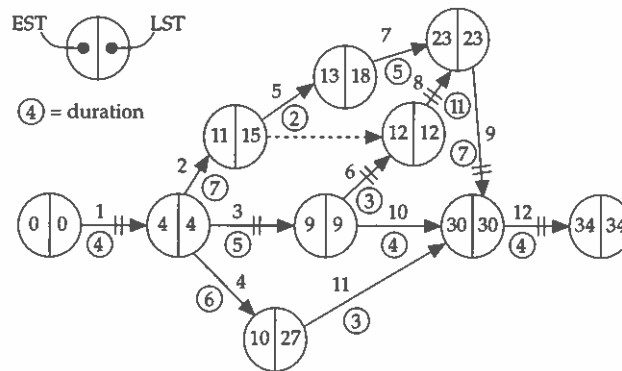


Answers to exercises

1.



2.

Activity	EST	LST	EFT	LFT	D	Total float LFT - EST - D	Free float EFT - EST - D	Independent float EFT - LST - D
*1	0	0	4	4	4	-	-	-
2	4	4	11	15	7	4	-	-
*3	4	4	9	9	5	-	-	-
4	4	4	10	22	6	12	-	-
5	11	15	13	21	2	8	-	-
*6	9	9	15	15	3	-	-	-
7	13	21	23	23	5	5	5	-
*8	12	12	23	23	11	-	-	-
*9	23	23	30	30	7	-	-	-
10	9	9	30	30	4	17	17	17
11	10	22	30	30	3	17	17	5
*12	30	30	34	34	4	-	-	-

3. s.d. of critical path = $\sqrt{1^2 + 2^2 + 1.5^2 + 3^2 + 2.5^2 + 3^2} = \underline{5.61}$

$\therefore Z = \frac{40 - 34}{5.61} = 1.07$

From Table 1 the probability is nearly 36%