

### Project-1

Activity	Immediate Predecessor	a	m	b
A		2	3	4
B	A	2	3.5	4
C	B	1	2	2.5
D	B, C	5	6	8
E	D	2	3	4.5
F	E	3	4	5
G	E	1	1.25	1.5
H	G	2	3	4
I	F, H	0	0	0

### Project-2

Activity	Immediate Predecessor	a	m	b
A		1	4	13
B	A	4	7	16
C	A	2	2	2
D	C	4	6	14
E		1	3	5
F	E	3	5	13
G		7	10	13
H	G	6	7	14
I	B, D	1	1	1
J	F, H, I	13	16	25

For both projects, find out average project duration and average success rate using Excel and taking 1000 trials. The success is defined as finishing the project on or before deadline. Assume the deadlines are 22 days and 38 days for project-1 and project-2, respectively. For calculation of duration, (1) use triangular (a, b, m) distribution, (2) right triangular (a, b) distribution, and (3) left triangular (a, b) distribution.