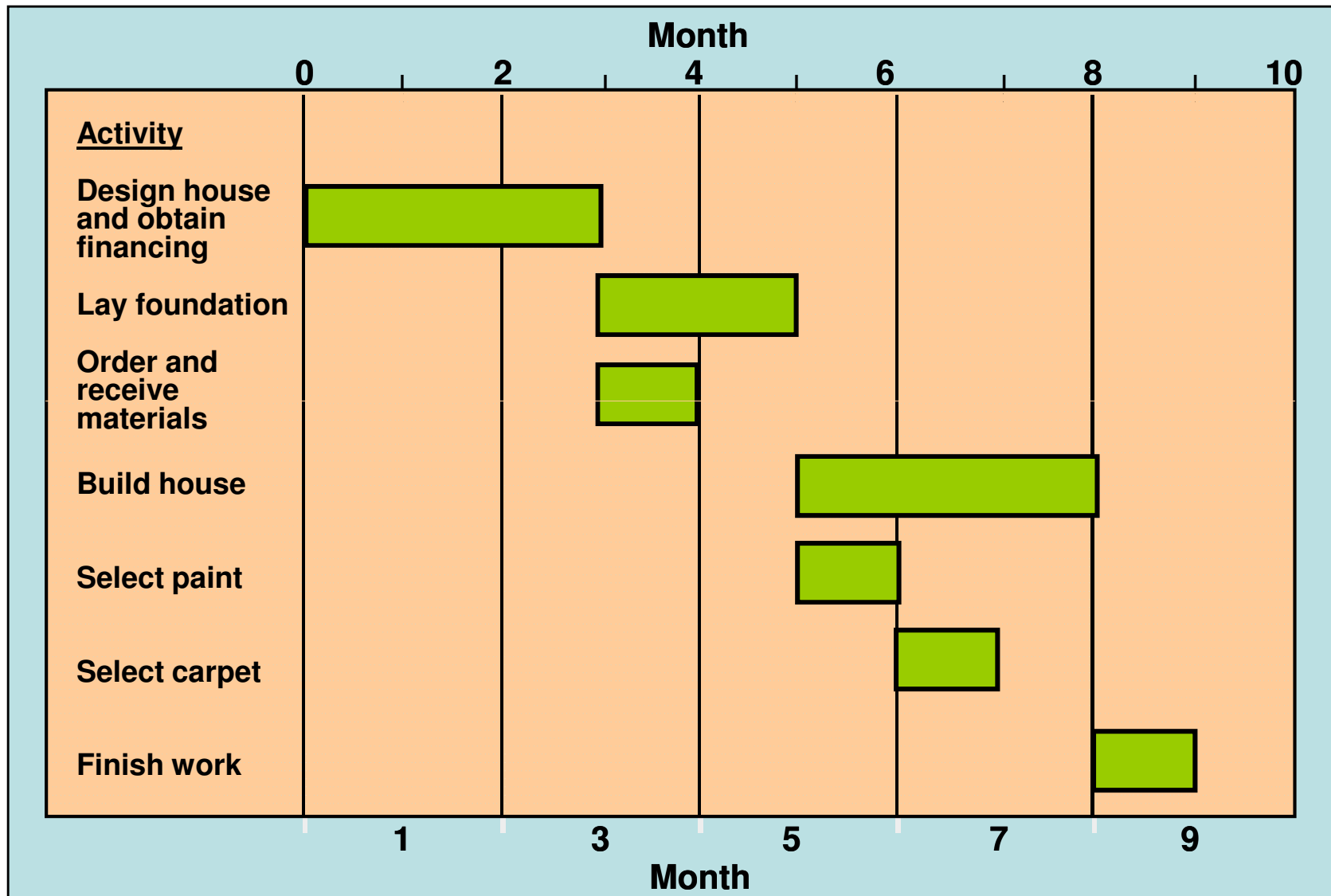


Example of Gantt Chart

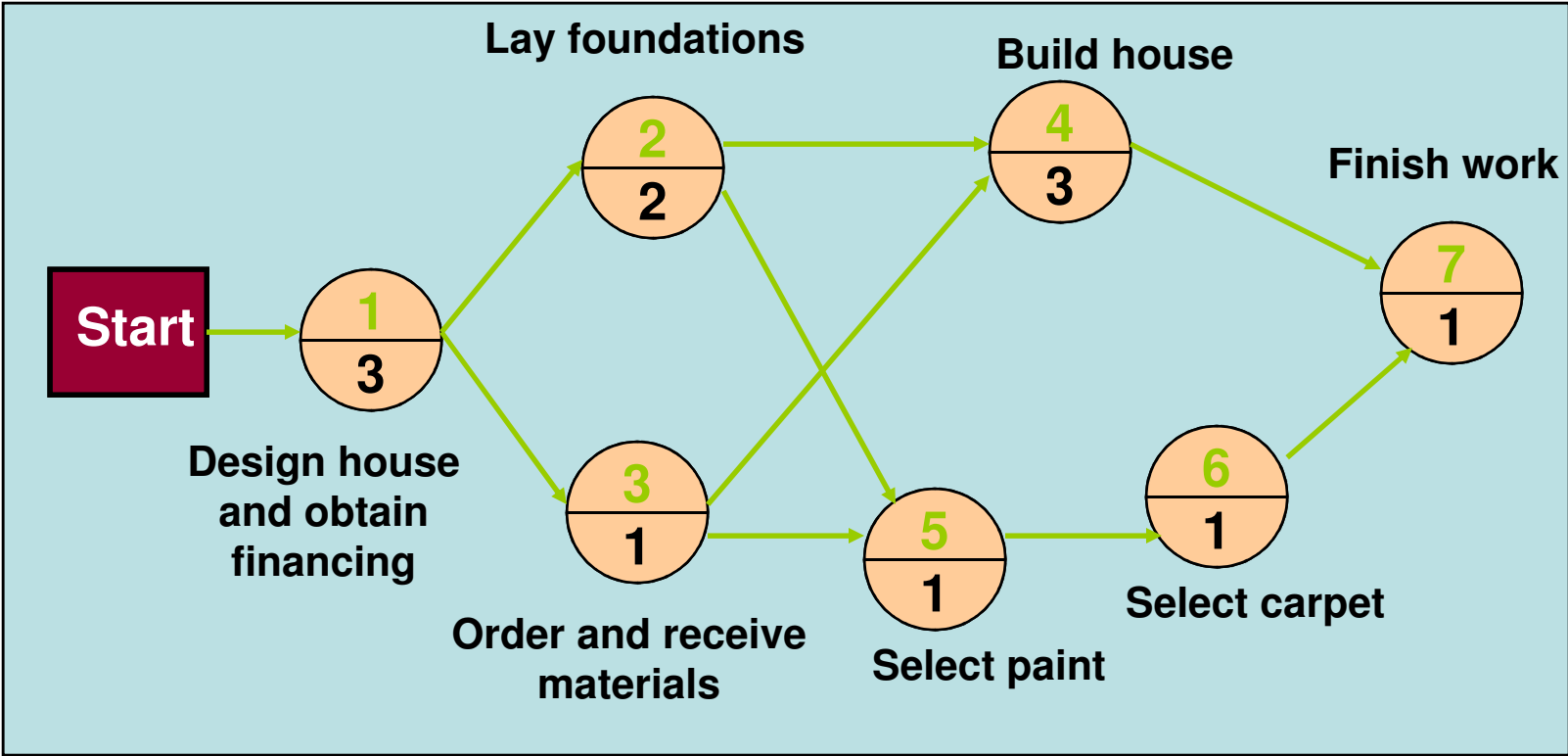


Activity Description

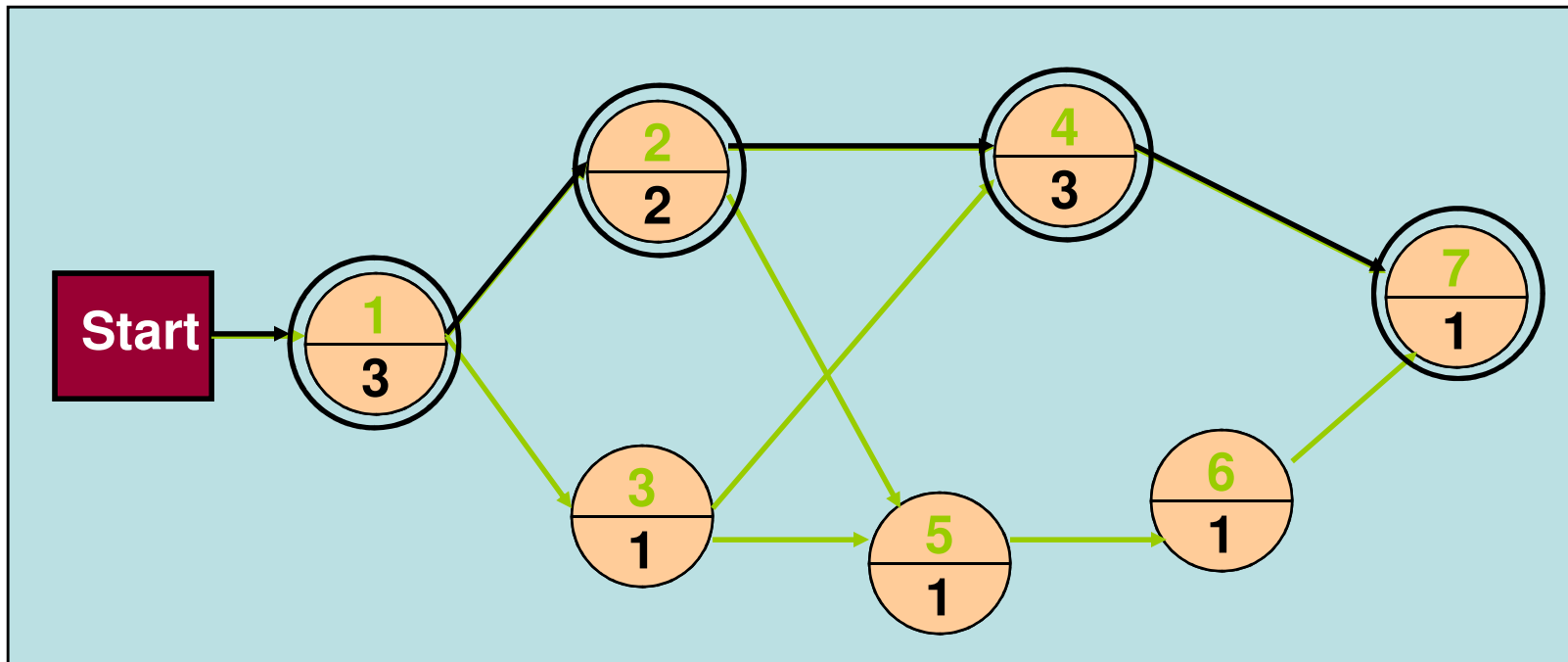
An Activity Description Table is used when describing a project, for the purposes of doing project management analysis. The Activity Description Table for the House Building example is below.

Task Number	Task Description	Duration of Task	Predecessor Task
1	Design house & obtain financing	3	-
2	Lay foundation	2	Task 1
3	Order & receive materials	1	Task 1
4	Build house	3	Task 2 ,3
5	Select paint	1	Task 2 ,3
6	Select carpet	1	Task 5
7	Finish work	1	Task 4 ,6

Scheduling Network for House Building Project



Critical Path



- A: 1-2-4-7
 $3 + 2 + 3 + 1 = 9$ months
- B: 1-2-5-6-7
 $3 + 2 + 1 + 1 + 1 = 8$ months
- C: 1-3-4-7
 $3 + 1 + 3 + 1 = 8$ months
- D: 1-3-5-6-7
 $3 + 1 + 1 + 1 + 1 = 7$ months

- Critical path
 - Longest path through a network
 - Minimum project completion time

CPM – Forward & Backward Pass

	START	FINISH	
TASK ID	ES = MAX EF	EF = ES + t	EARLIEST
DURATION, t	LS = LF - t	LF = MIN LS	LATEST

(FORWARD PASS)

ACTIVITY SLACK = LS - ES = LF - EF

IF ACTIVITY SLACK = 0 ...
THE TASK (ACTIVITY) IS ON THE CRITICAL PATH

