

Figure 1

Activity boxes and time-based priority rules

Figure 1A. Activity A

0	A	5
2		2
2	5	7

Figure 1B. Activity B

0	B	3
3		3
3	3	6

Figure 1C. Key

EST	ID	EFT
SLACK		SLACK
LST	Duration	LFT

Figure 1. Two activities that can be described by the following activity boxes. Both A and B can start at time zero (EST = 0, the first day of the project). Activity A has a duration of five days, and B has a duration of three days. Activity A has an LST of two days and B has an LST of three days. Thus, A has a slack of two days, while B has a slack of three days. Under a priority rule of Minimum LST, A is chosen over B because LST = 2 for A, LST = 3 for B. Similarly, under a minimum LFT rule, B is chosen over A because LFT = 6 in Activity B is less than LFT = 7 in activity A.