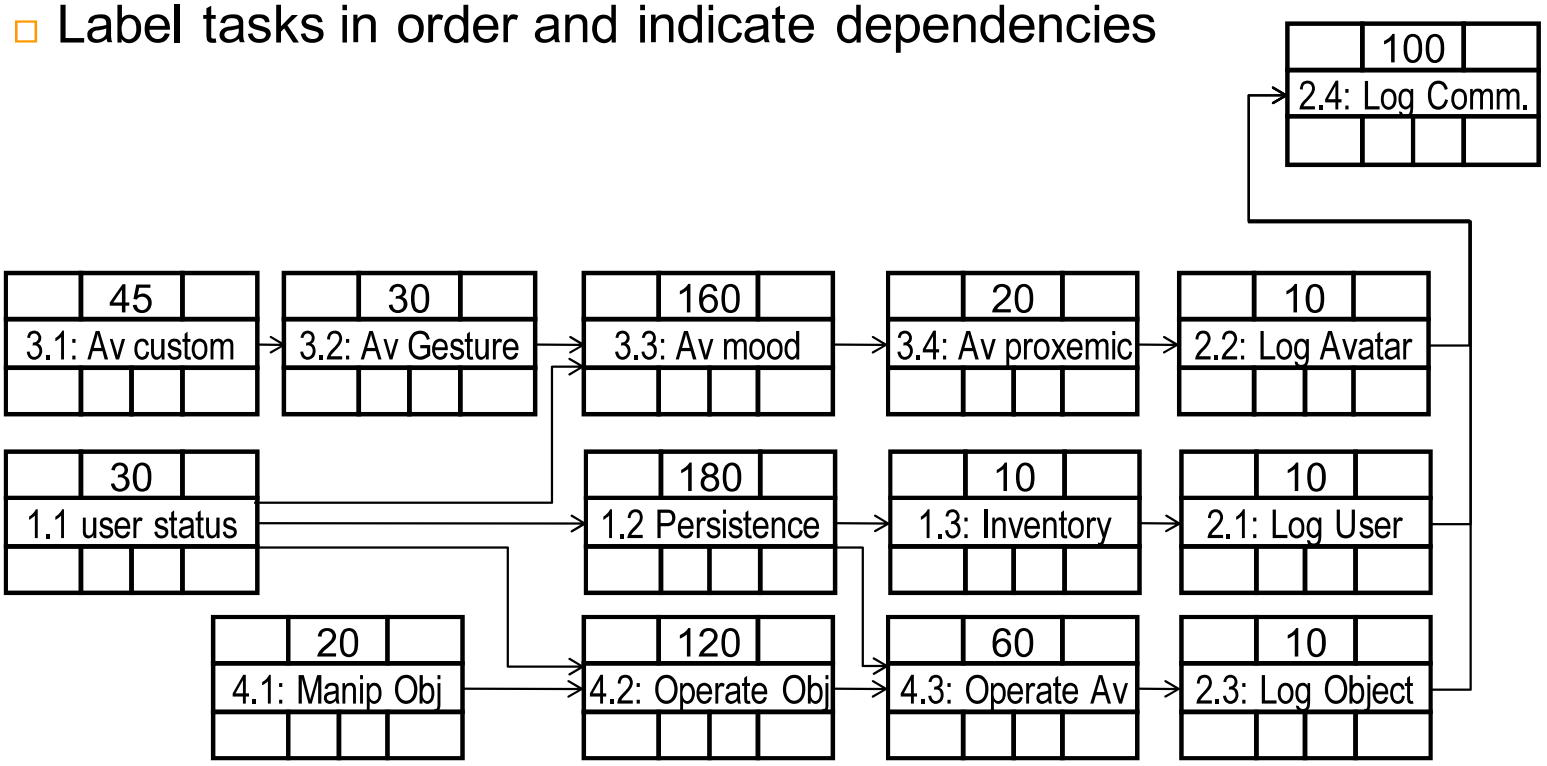
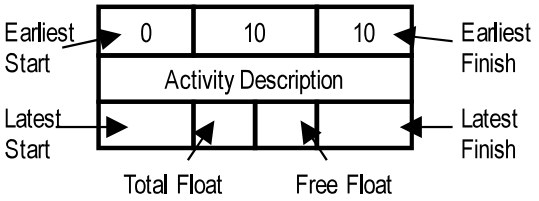
Analysis: Step #1

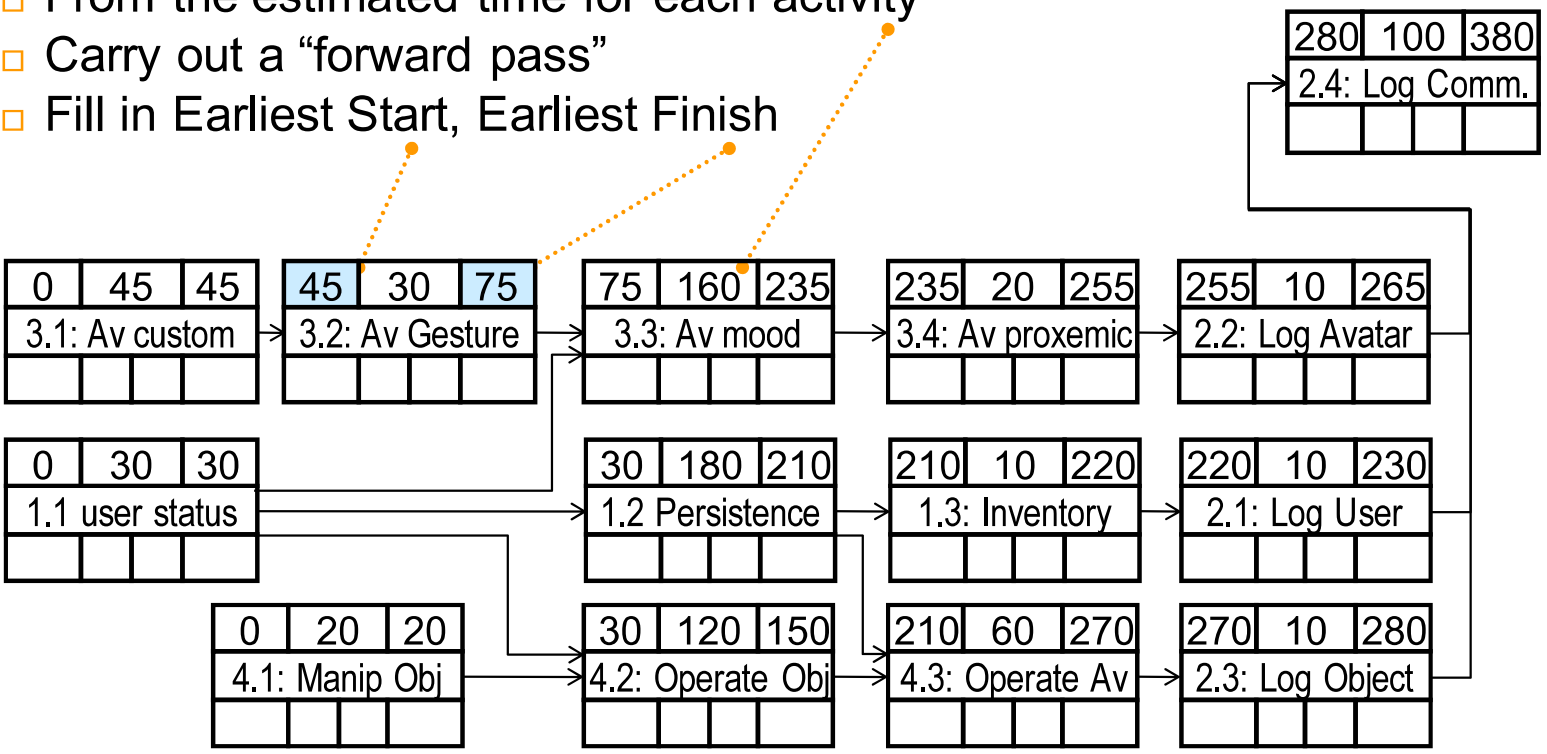
- Label tasks in order and indicate dependencies



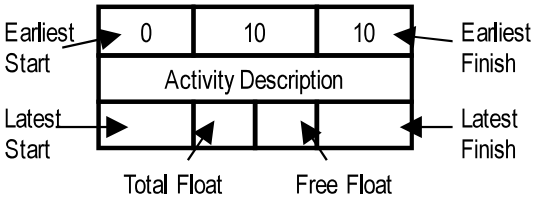
Analysis: Step #2



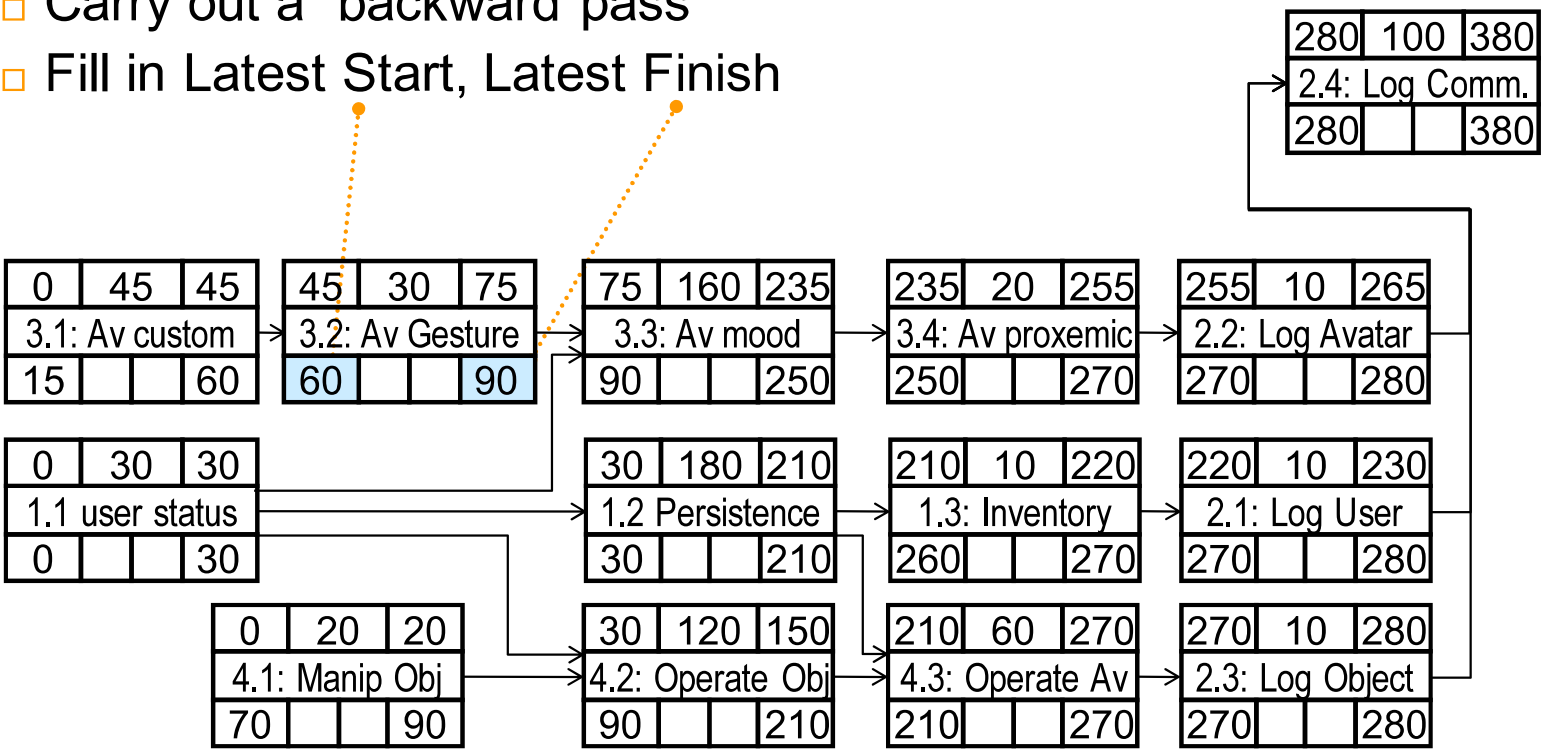
- From the estimated time for each activity
- Carry out a “forward pass”
- Fill in Earliest Start, Earliest Finish



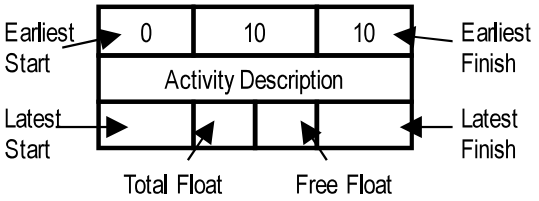
Analysis: Step #3



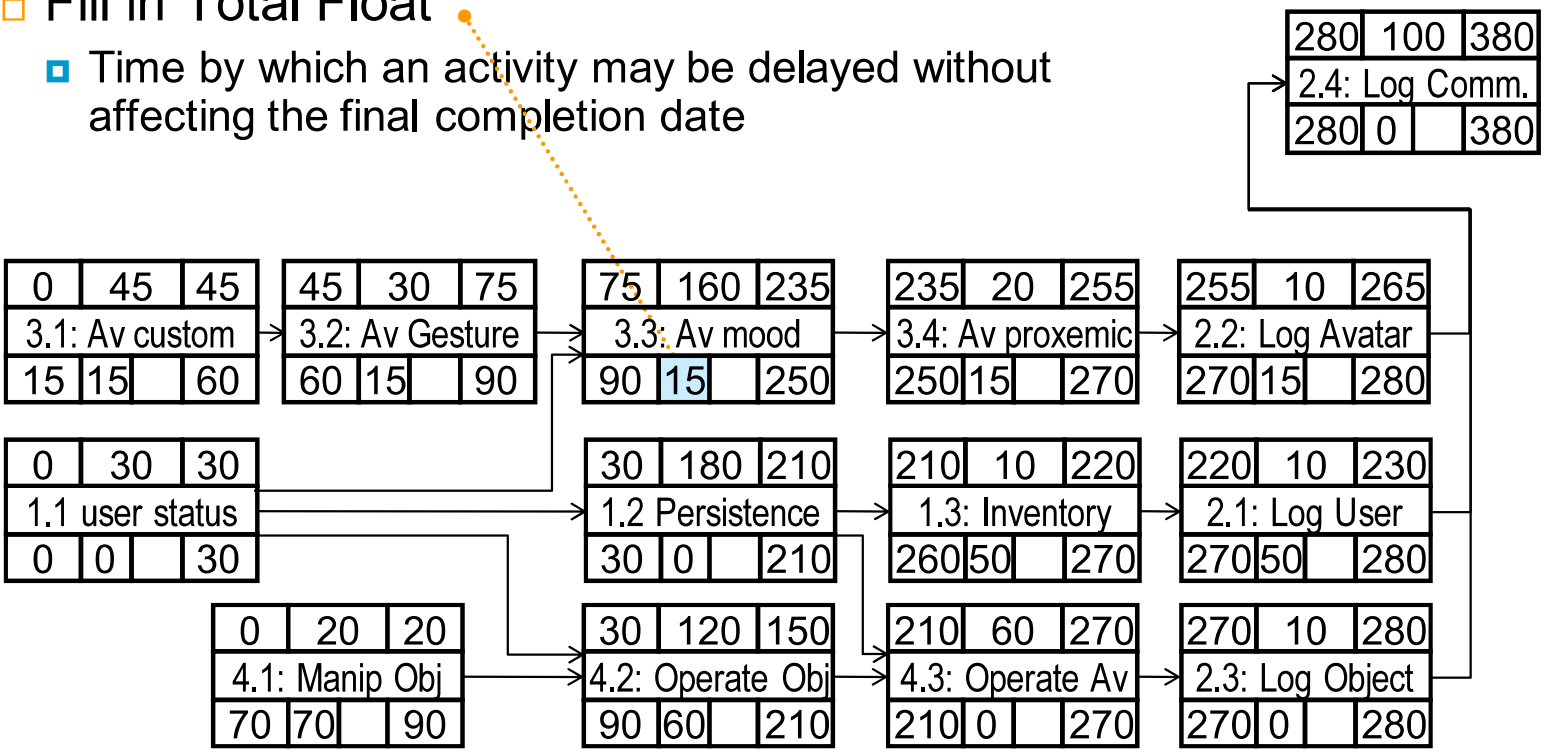
- Carry out a “backward pass”
- Fill in Latest Start, Latest Finish



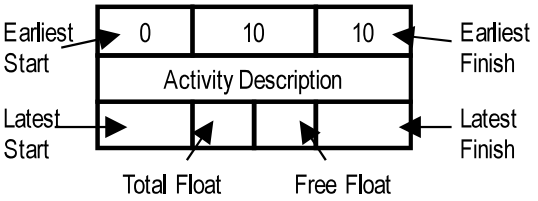
Analysis: Step #4



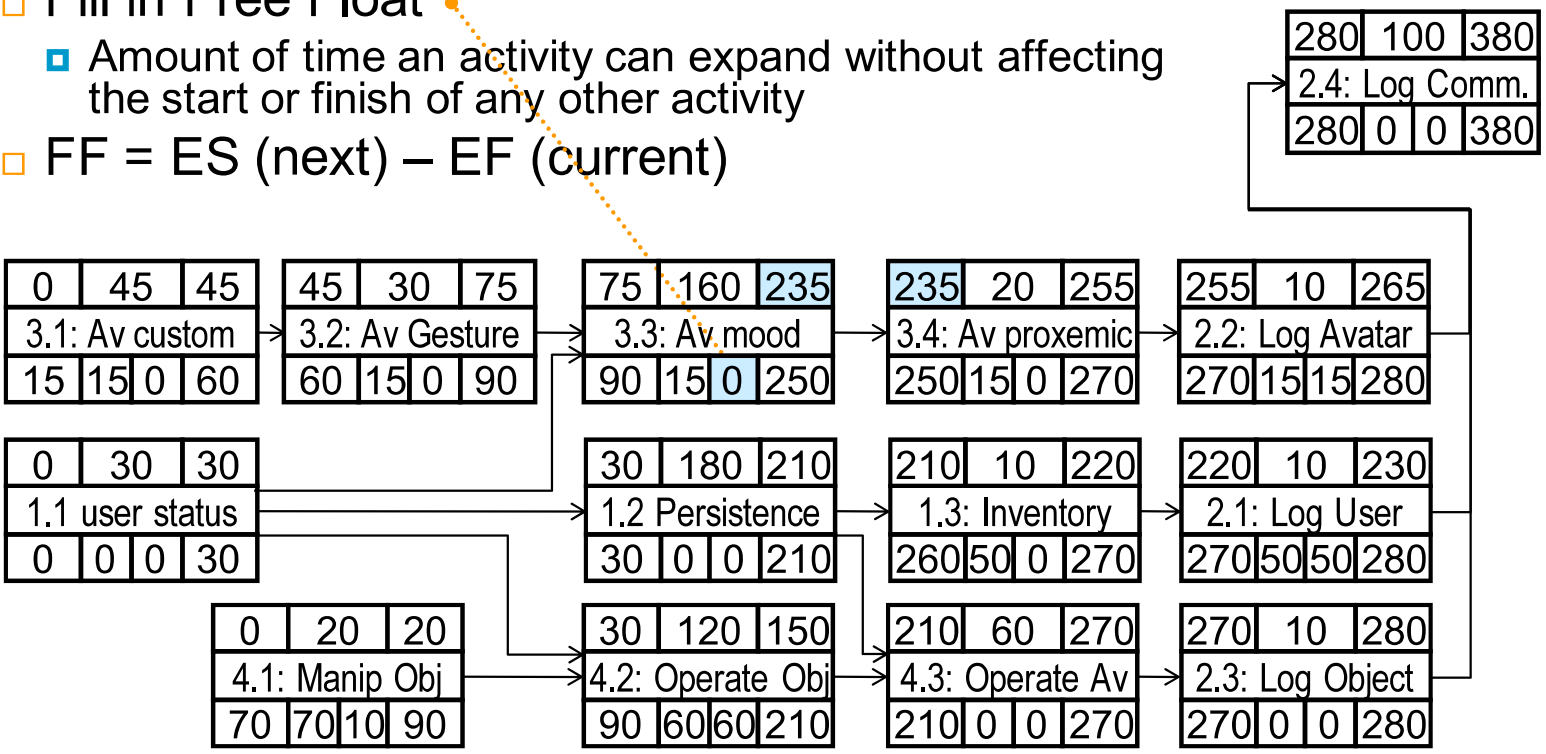
- Fill in Total Float
  - Time by which an activity may be delayed without affecting the final completion date



Analysis: Step #5

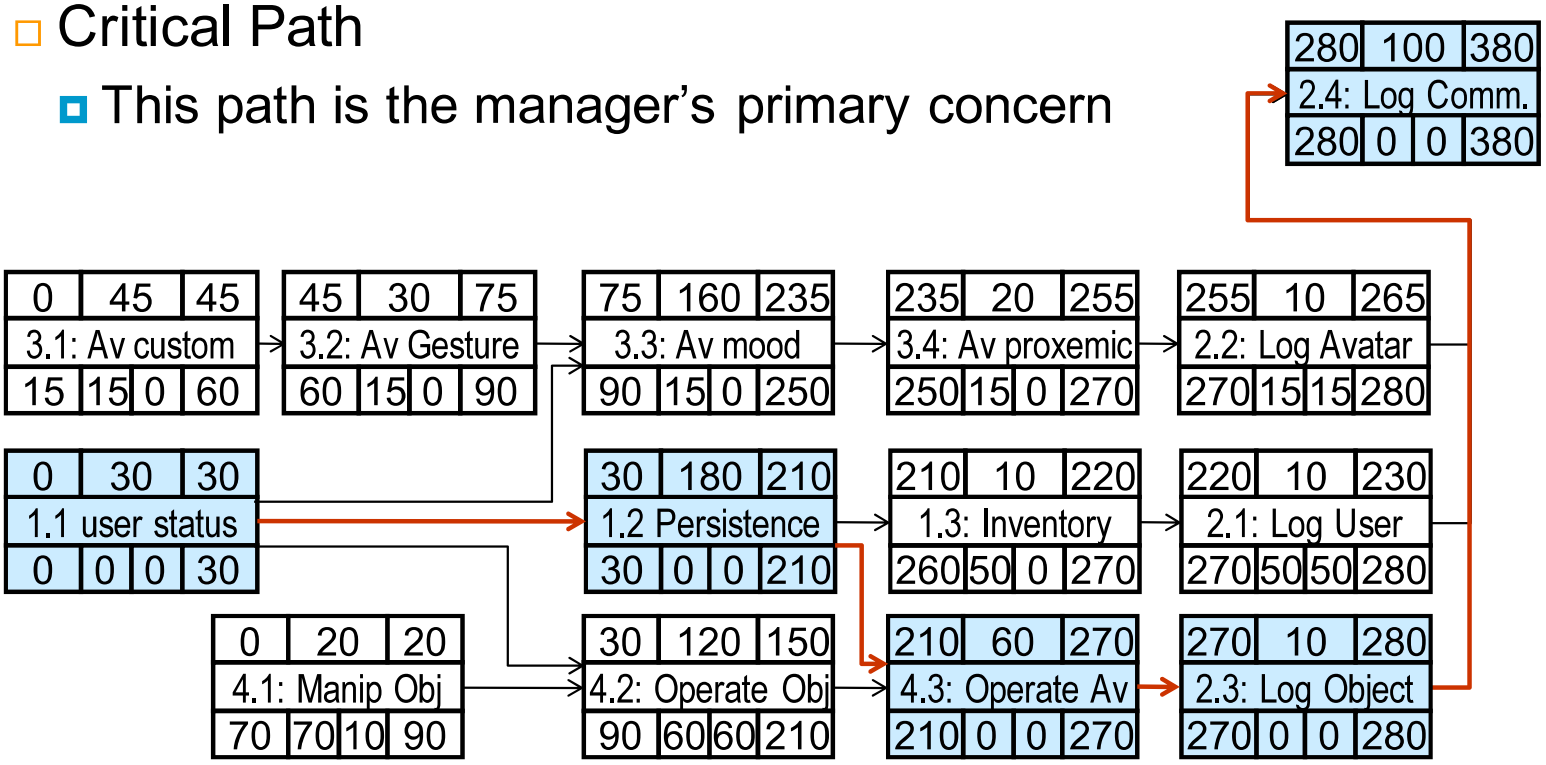


- Fill in Free Float
  - Amount of time an activity can expand without affecting the start or finish of any other activity
- FF = ES (next) – EF (current)

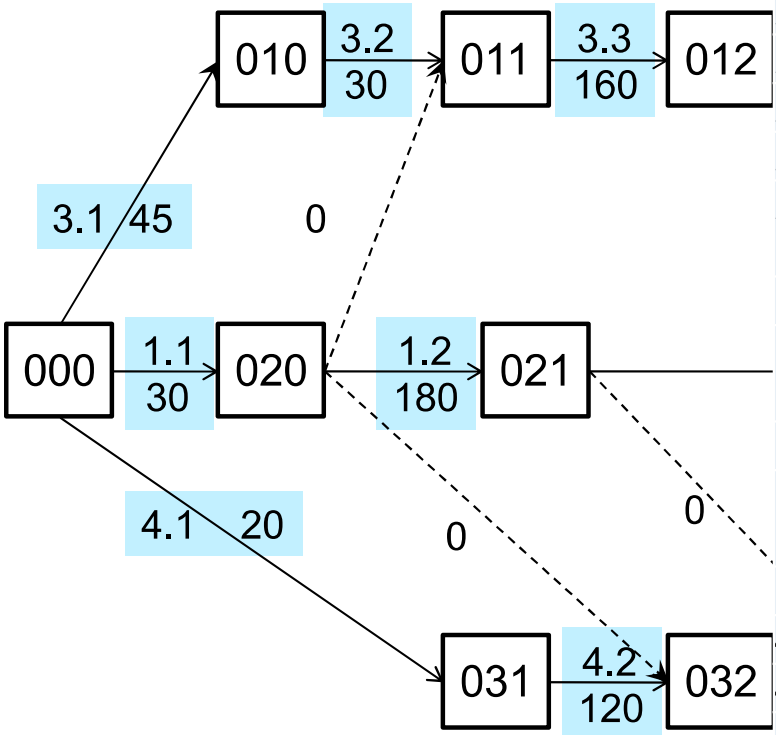


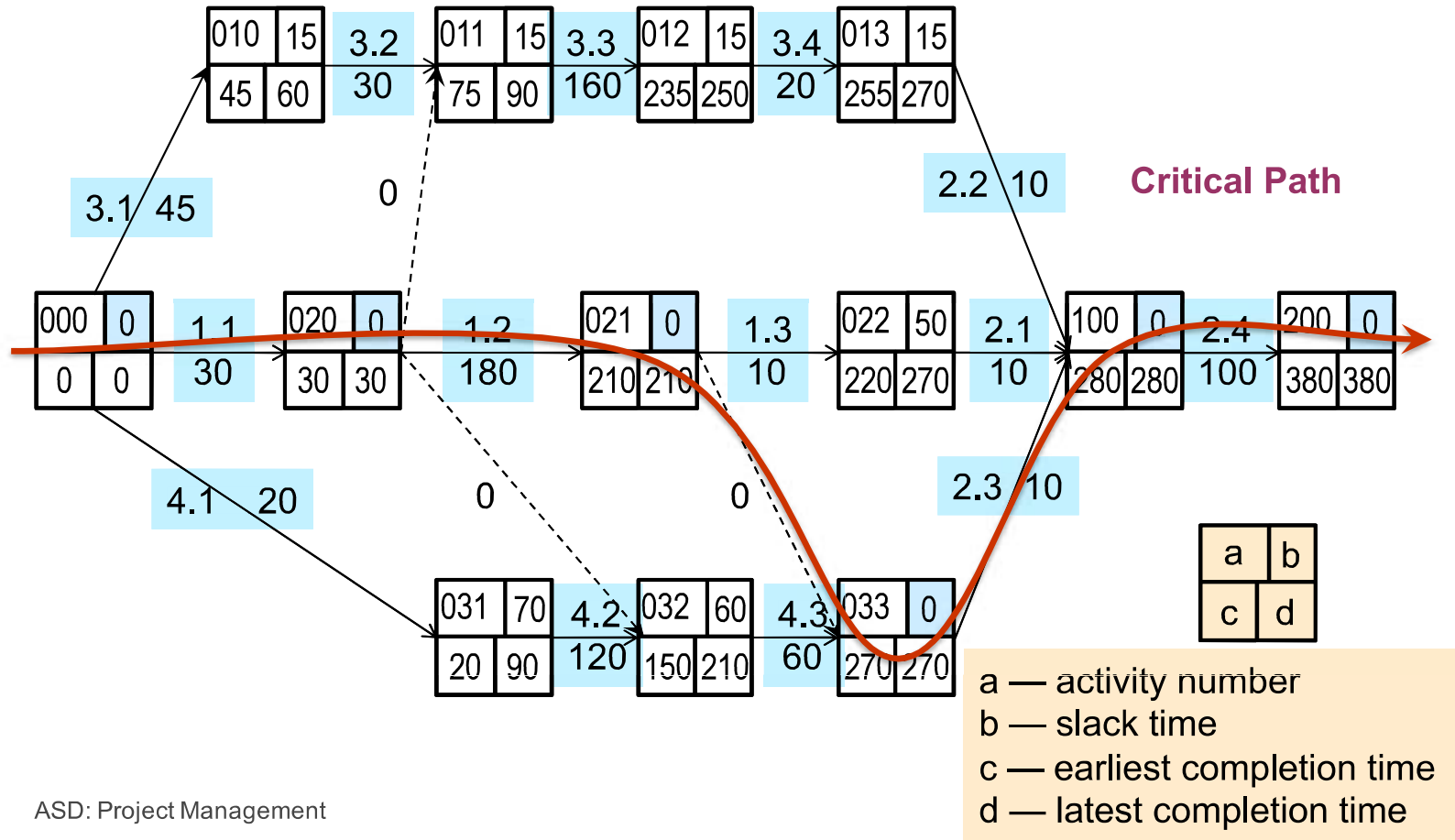
Analysis: Step #6

- Critical Path
  - This path is the manager's primary concern



Example: Task Network (Milestone Network)



#	Activity	Len	Depend
1	Access		
1.1	User's status	30	
1.2	Persistence	180	1.1
1.3	Inventory	10	1.2
2	Logging		
2.1	Log user events	10	1.3
2.2	Log avatar events	10	3.4
2.3	Log object events	10	4.3
2.4	Log communication	100	2.1,2.2,2.3
3	Avatar		
3.1	Avatar customization	45	
3.2	Avatar Gesturing	30	3.1
3.3	Avatar mood indicator	160	3.2,1.1
3.4	Avatar proxemics	20	3.3
4	Interactions		
4.1	Manipulate objects	20	
4.2	Operate Objects	120	4.1,1.1
4.3	Operate on Avatar	60	1.2,4.2

Example: Network Analysis