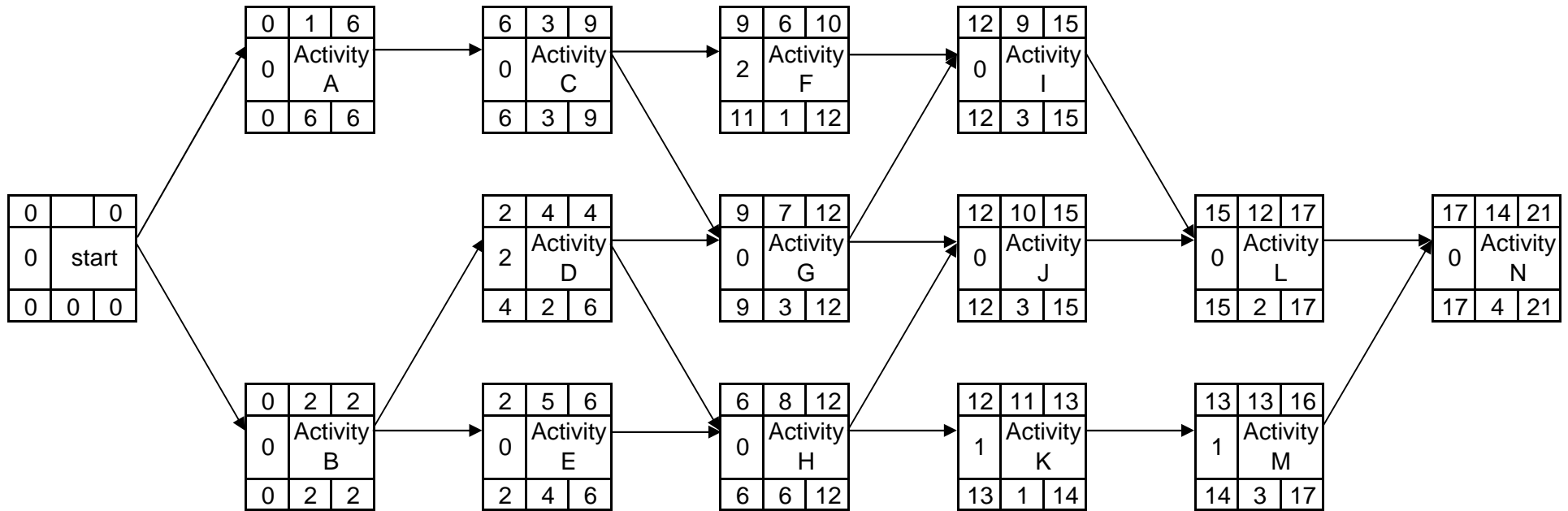
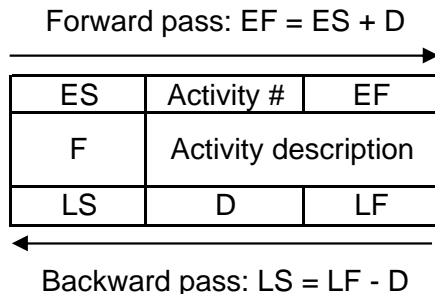


Precedence Diagram (AON - Activity On Node)



Legend:



ES: early start
 EF: early finish
 LS: late start
 LF: late finish
 D: duration
 F: float (or slack)

Critical path 1 (start) A C G I L N
 Critical path 2 (start) A C G J L N
 Critical path 3 (start) B E H J L N

Answers to assignment:

- 1 EF of G = 12
- 2 ES of H = 6
- 3 project duration = 21
- 4 LF of J = 15
- 5 LS of D = 4
- 6 F of J = 0
- 7 F of F = 2
- 8 ES of N = 17
- 9 # of critical activities = 10
- 10 # of critical paths = 3

Sample calculations:

$ES_A = 0$; $EF_A = ES_A + D_A$
 $ES_B = EF_A$; $EF_B = ES_B + D_B$; repeat in case a node has one predecessor
 $ES_G = \max(EF_C, EF_D)$; repeat in case a node has 2 or more predecessors
 $LF_L = LS_N$; $LS_L = LF_L + D_L$; repeat in case a node has one follower
 $LF_H = \min(LS_J, LS_K)$; repeat in case a node has 2 or more followers
 $F = LS - ES = LF - EF$