Chapter 10: CPM Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

REVIEW FOR TEST #2 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the following dependency charts for the following digraphs. Then complete the EST, SFT, LST, LFT for the digraphs.

|  |  |  |
| --- | --- | --- |
| **Activity** **Code**  | **Activity** **Dependence**  | **Completion** **Time (min)**  |
| *A* |  |  |
| *B*  |  |  |
| *C*  |  |  |
| *D*  |  |  |
| *E*  |  |  |
| *F*  |  |  |
| *G*  |  |  |
| *H*  |  |  |
| *I* |  |  |

1.

*G*

*5*

*C*

*4*

*A*

*3*

*I*

*2*

*H*

*7*

*F*

*2*

*D*

*1*

*B*

*6*

*E*

*4*

|  |  |  |
| --- | --- | --- |
| **Activity** **Code**  | **Activity** **Dependence**  | **Completion** **Time (min)**  |
| *A* |  |  |
| *B*  |  |  |
| *C*  |  |  |
| *D*  |  |  |
| *E*  |  |  |
| *F*  |  |  |
| *G*  |  |  |
| *H*  |  |  |

*D*

*6*

*B*

*1*

*A*

*4*

*H*

*6*

*G*

*8*

*E*

*5*

*C*

*4*

*F*

*8*

|  |  |  |
| --- | --- | --- |
| **Activity** **Code**  | **Activity** **Dependence**  | **Completion** **Time (min)**  |
| *A* |  |  |
| *B*  |  |  |
| *C*  |  |  |
| *D*  |  |  |
| *E*  |  |  |
| *F*  |  |  |
| *G*  |  |  |
| *H*  |  |  |

*A*

*2*

*B*

*5*

*F*

*4*

1.

*H*

*5*

*G*

*2*

*D*

*2*

*E*

*4*

*C*

*3*

|  |  |  |
| --- | --- | --- |
| **Activity** **Code**  | **Activity** **Dependence**  | **Completion** **Time (min)**  |
| *A* |  |  |
| *B*  |  |  |
| *C*  |  |  |
| *D*  |  |  |
| *E*  |  |  |
| *F*  |  |  |
| *G*  |  |  |
| *H*  |  |  |
| *I* |  |  |
| *J* |  |  |
| *K* |  |  |

1.

*B*

*3*

*K*

*3*

*J*

*6*

*I*

*1*

*H*

*5*

*G*

*4*

*F*

*3*

*C*

*3*

*D*

*5*

*E*

*2*

*A*

*7*

Create a Digraph for #5-8 AND CALCULATE THE ESTs, EFTs, LSTs, and LFTs FOR EACH NODE



5.

A - 2

B - 2

C - 4

D - 6

Slack - 2

F - 4

G - 5

Slack -1

H - 4

E - 4

Slack - 2

I - 4



6.

A - 3

B - 2

C - 6

D - 3

Slack - 1

F - 5

G - 3

Slack -2

H - 2

E - 3

Slack - 2

I - 4

J - 2

K - 3



7.

A - 4

B - 3

C - 5

D - 3

Slack - 4

F - 2

G - 2

Slack -1

H - 4

E - 3

Slack - 2

I - 3

J - 6

K - 4

Slack -1

L - 3

8.

A - 4

B - 3

C - 2

D - 4

F - 3

G - 3

Slack -1

H - 3

E - 3

Slack - 2

I - 3

J - 2

K - 2

L - 2

Slack -1

Slack -1

Slack -1