Chapter 3: Using the Critical Path Scheduling Algorithm

For Problem #1, use the critical path scheduling algorithm to find a priority list for the order-requirement graph. Then use your priority list to schedule the tasks on two processors.

1. 

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| 9 | 15 | 20
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| 2 | 5 | 7 |
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| 3 | 6 |
```

Priority List: ____ , ____ , ____ , ____ , ____ , ____ , ____
2. Chef Cindy is a contestant on Iron Chef. She has her two sous-chefs Mike and Mary helping her cook her dishes. Here is an order-requirement graph representing nine tasks that need to be performed as quickly as possible. The times are given in minutes.

Use the critical-path scheduling algorithm to determine how the tasks should be scheduled so that the completion time is as early as possible. Can they complete all of the tasks within the 1 hour time limit? How does your answer change if Cindy only has one other chef helping her?