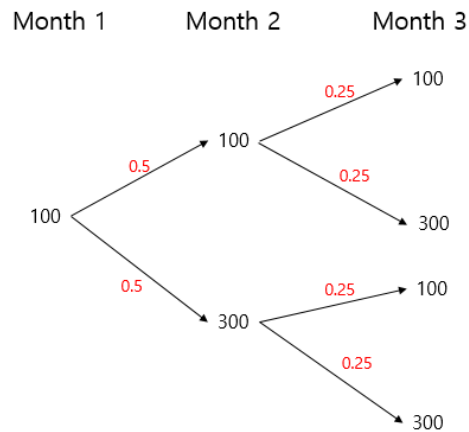


[Problem 5] - 30 point

A company plans to produce an air conditioner (AC) for 3 months. These are information:

- Normal production capacity : 200 AC / month
- Normal production cost : \$100
- Overtime cost (if over the normal capacity) : \$300
- Storage / shipment cost : \$50
- Production lead time : 1 month

The demand information is these:



Find each production amount, overtime production amount and stored unit.

(You should solve with your computer software and submit the results with the code. You can use any computer software).