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CSCI 570 – HW5

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* **[Question 1]**

The consumption of framing word and cabinet wood was:

*Framing word: .*

*Cabinet wood:.*

But due to the shortage, this month would be:

*Framing word: .*

*Cabinet wood: .*

Therefore, let , and denote number of 1st type, 2nd type and 3rd type couches, the constraints would be:

And maximize the profit:

Thus we have: [answer]