

# EL2450 HOMEWORK 1

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**0.1 A gain named Tap exists in the Tank 1 model, what is its function?**

The gain Tap models the openable tap on the upper tank. The value 0 means that it is currently closed. A value of 1 means fully opened.

**0.2 Place the poles to give a following step response:**

- Rise time less than 6s
- Overshoot less than 35
- Settling-time less than 30s

done.

**0.3 helo**

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