188212 Analog Electronics Lab.

**AEL-03 Quiz**

From the series regulator circuit below and assuming *IQ* is 10 mA, find the followings.



1. *VO*.
2. *IL* and *IT*.
3. Power input.
4. Power dissipation in *RL*.
5. Power loss in the 7810 regulator chip.

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**Solution to AEL-03 Quiz**

From the series regulator circuit below and assuming *IQ* is 10 mA, find the followings.



1. *VO* = 10V.
2.  and .
3. Power input = .
4. Power dissipation in *RL* = .
5. Power loss in the 7810 regulator chip = 1.65-1 = 0.65W.