

P4 $V_{dc} = \frac{2 V_m}{\pi}$

$$V_m = V_{i(max)} - (2 \cdot 0.7)$$

$$= 6.6 \text{ V}$$

$$V_{(ripple)} = \frac{6.6}{2 \cdot 1000 \cdot 1\mu \cdot 5.6k}$$

$$= 0.59 \text{ V}$$

| $V_o [V]$ | $V_r [V]$ |
|-----------|-----------|
| 6.6 | 0.59 |

Table P4.