















10) c)  $\sqrt{g} = 10 \frac{75}{15+75} = 5V$   $i_R = \frac{10}{15+75} = \frac{1}{15} A(0)$ a)  $V = Z_0 = \frac{75}{2} = \frac{375}{15^2} \text{ which }$   $C = \frac{1}{4} = \frac{10^8}{20} = \frac{1}{15^2} \text{ which }$ e)  $V = \frac{20}{20} \text{ which } \frac{150}{15^2} + \frac{375}{15^2} = \frac{100}{3} \text{ which }$  $87 \text{ W}_c = 1 \text{ CV}_R^2 = 125 \text{ n} \text{ W}_1 = 275 = 45,83 \text{ nJ}$ 4) a)  $\sqrt{\epsilon \mu} = \frac{1}{2} = \frac{3}{2} \cdot \frac{1}{\epsilon} = \frac{3}{2} \cdot \frac{1}{\epsilon} \cdot$ No (t) = 5H(t) + 5 H(t-1) 0-10+10 0)5 1 1,5 > 0,5 1 1,5 c)  $v_0 = v_{10} = 10.50 = 5$   $i_0 = i_1 = 10 = 0.1A$ d)  $W_1 = 100 \left[ 5^2 + 0.1^2 Z_0 \right] = 250 \text{ nJ}$ WI = 1,10,0,12 = 50 mJ











