## Day 16 (bay 15-auiz) Convertor: Cuk Ls Ju < ference TOO TO Voc 777-j: OFF State <del>/</del> Nx (± \_ c VR = 0 State 97 Vcs که آنه Vbc غدر (Figures osa not to scale) TA T ناري M

$$(V_{CS} - V_R)DT = V_R(I-D)T$$

$$\Rightarrow V_{CS}D - V_RD = V_R - DV_R$$

$$\Rightarrow V_R = DV_{CS}$$

$$Now, V_{DC}DT = (V_S - V_{DC})(I-D)T$$

$$\Rightarrow DV_{DC} = -V_{DC}t V_{CS} + DV_{DC} - DV_{CS}$$

$$\Rightarrow V_{CS} = \frac{V_{DC}}{I-D}$$

$$V_R = \frac{DV_{DC}}{I-D}$$

$$(D) \text{ Lists:}$$

$$V_{CI} = \frac{V_{CI}}{I-D}$$

$$V_{CI} = \frac{$$