

$$\Rightarrow \frac{r_{dv_c}}{dt} + v_c = 1 \Rightarrow \frac{dv_c}{dt} + \frac{v_c}{r} = \frac{1}{r^c}$$

$$\frac{dV_c}{dt} = \frac{1}{r}(-V_c+1) \Rightarrow \frac{r\frac{dV_c}{dt}}{-V_c+1} = 1$$

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$$\Rightarrow \int \frac{r \, dv_c}{dt} \, dt = \int 1 \, dt \Rightarrow -r \log (v_{c-1}) = t + C_1$$

$$\frac{dv_c}{dt} = \frac{1}{r'}(-v_c + r') \Rightarrow \frac{r'dv_c}{dt} = 1$$

$$\Rightarrow \int \frac{r'dv_c}{dt} \frac{dt}{dt} = \int |dt| \Rightarrow -r' \log(v_c - r') = t + c_1$$

$$\Rightarrow V_c = e^{\frac{1}{r}(t-c_1)} + r \Rightarrow V_c = ke^{\frac{1}{r}(t-r')} + r$$

$$= \int \frac{r'dv_c}{dt} \frac{dt}{dt} = \int |dt| \Rightarrow -r' \log(v_c - r') = t + c_1$$

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$$= \int \frac{r'dv_c}{r'} \frac{dt}{r'} \frac{d$$

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البوا منع جريان را وذف (خاموش) ميكنيم:

$$\Gamma'i+\Gamma'i_{x}=0 \implies i_{x}=-\Gamma i$$

$$\Rightarrow i = \frac{-1}{15 + 19} = -0/101 + J.095$$

النون برای منبع جریان: الخون الفال لوتاه ی مونو

$$\Rightarrow$$
  $(r+r)=r - -9. \Rightarrow i=\frac{r - -9.}{1r}$ 

حال أهارا جمي كنيم: