$$|y| = \sin t \times u(t-1) = \sin (t-1+1) = \sin (t-1+1) = \sin (t-1)$$

$$|x| = \sin (t-1) \cos(1) = \sin (t-1+1) = \sin (t-1) = \sin (t-1$$

$$\frac{1}{\sqrt{1+\frac{1}{2}}} = \frac{1}{\sqrt{1+\frac{1}{2}}} = \frac{1}{\sqrt$$

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$$\hat{F}_{1}(s) = \frac{YA}{T} \left( \frac{1}{s} - Ye^{-\frac{T}{v}s} \right) + e^{-\frac{T}{s}s} + e^{-\frac{T}{s}s} \right)$$

$$\hat{F}_{1}(s) = \frac{\hat{F}_{1}(s)}{s} - \hat{F}_{1}(s) = \frac{YA}{T} \left( \frac{1}{s}Y - \frac{Y}{s}Ye^{-\frac{T}{s}s} \right)$$

$$\hat{F}_{1}(s) = \frac{\hat{F}_{1}(s)}{1 - e^{-\frac{T}{s}s}}$$

$$\hat{F}_{1}(s) = \frac{\hat{F}_{1}(s)}{1 - e^{-\frac{T}{s}s}}$$

$$\hat{F}_{1}(s) = A(\frac{1}{s}Y - \frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s} + e^{-\frac{T}{s}s}$$

$$\hat{F}_{1}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s} + e^{-\frac{T}{s}s}$$

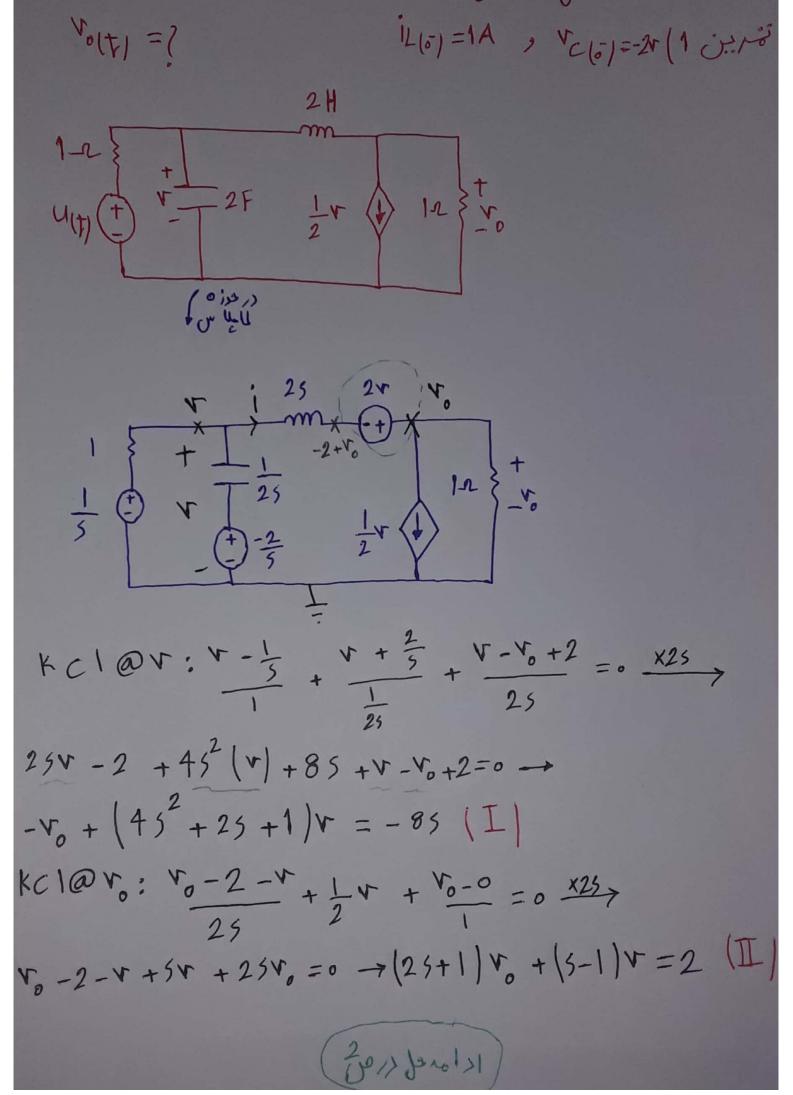
$$\hat{F}_{1}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s}$$

$$\hat{F}_{2}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s}$$

$$\hat{F}_{2}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s}$$

$$\hat{F}_{2}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s}s}$$

$$\hat{F}_{3}(s) = A(\frac{1}{s}Ye^{-\frac{T}{s}s}) + e^{-\frac{T}{s$$



$$\begin{bmatrix}
Y_{0} \\
Y_{1}
\end{bmatrix} = \begin{bmatrix}
-1 \\
Y_{2}
\end{bmatrix} + \begin{bmatrix}
-1 \\
Y_{3}
\end{bmatrix} +$$

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$$\frac{1}{s} \frac{(\Lambda s^{\gamma} - Y s + 1)}{s (s^{\gamma} + s + \frac{1}{2})} = \frac{A}{s} + \frac{k_1(s + \frac{1}{Y})}{(s + \frac{1}{Y})^{\gamma} + \frac{y}{X}} + \frac{k_Y - \frac{1}{Y} k_1}{(s + \frac{1}{Y})^{\gamma} + \frac{y}{X}}$$

$$\frac{1}{s} \frac{(\Lambda s^{\gamma} - Y s + 1)}{(s^{\gamma} + s + \frac{1}{2})} = A + \frac{k_1 s}{(s + \frac{1}{Y})^{\gamma} + \frac{y}{X}} + \frac{(k_Y - \frac{1}{Y} k_1) s}{(s + \frac{1}{Y})^{\gamma} + \frac{y}{X}}$$

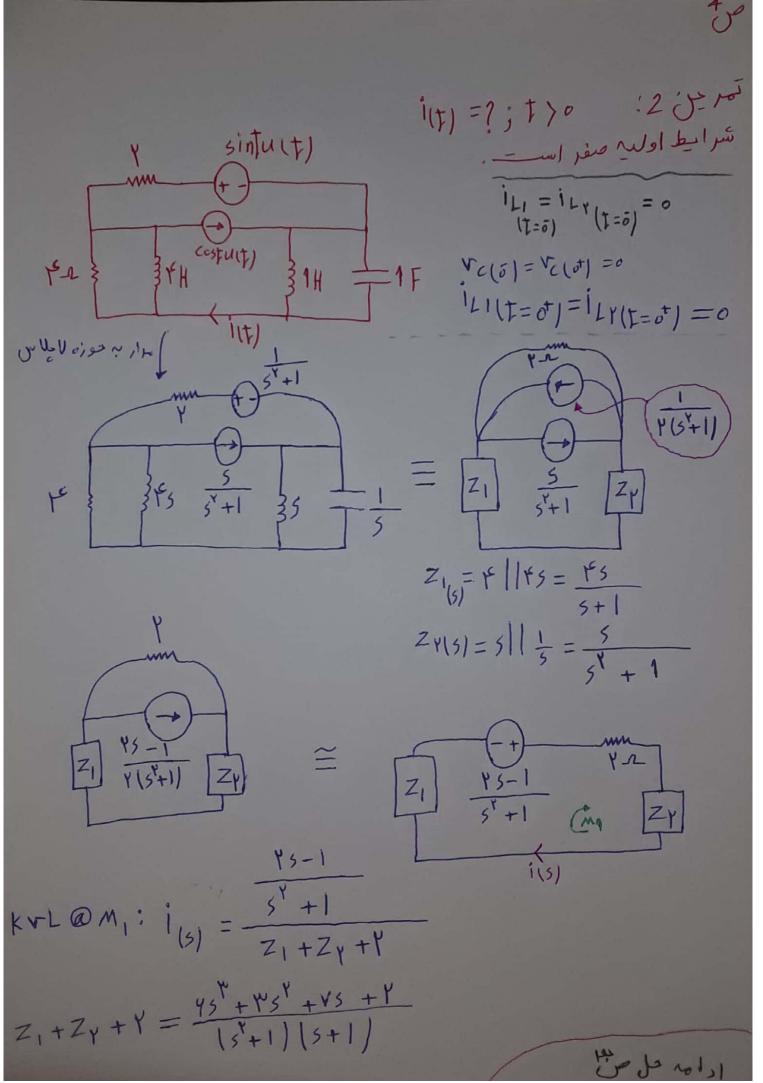
$$5 = 0 : \frac{1}{s} \frac{1}{s} = A + k_1 \rightarrow k_1 = Y - A = \frac{A}{a}$$

$$5 = 0 : \frac{1}{s} \frac{1}{s} \frac{(\Lambda + Y + 1)}{(s + \frac{1}{Y})^{\gamma} + \frac{1}{s}} = + \frac{Y}{a} \frac{A}{a} \frac{A}{a} \frac{(-1 + \frac{1}{Y})}{(-1 + \frac{1}{Y})} + \frac{(k_Y - \frac{1}{Y})^{\gamma} - \frac{1}{Y}}{(s + \frac{1}{Y})^{\gamma} + \frac{y}{X}}$$

$$\Rightarrow k_Y = -o_1 q \cdot k_1 = 1_1 q \cdot A = o_1 f$$

$$V_0(t) = e^{\frac{1}{s}} \frac{A}{a} \cos(s_1 q_1 Y f_1) - \frac{y_1 v_1 v_2}{a} \sin(s_1 q_1 Y f_1) + \frac{y}{a} \cos(s_1 q_1 Y f_1)$$

$$= e^{\frac{1}{s}} \frac{A}{a} \cos(s_1 q_1 Y f_1) - \frac{y_1 v_1 v_2}{a} \sin(s_1 q_1 Y f_1) + \frac{y}{a} \cos(s_1 q_1 Y f_1) + \frac{y} \cos(s_1 q_1 Y f_1) + \frac{y}{a} \cos(s_1 q_1 Y f_1) + \frac{y}{a} \cos(s_1 q_$$



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باکمی رفت وقد می شریم در 1= ساف ساف مین ما سخ حالت داخی (۱) = 0 ما سخ حالت داخی (۱) = 0 ۱۲ با غاز ن ۱۴ تشریردارد 第二寸 المنها با سخ مال - كزرا دارد كه مان قطب عاى إلى باسم . المنه المن 45 + 45 + V5+Y=0 1(5) = (45-1)(5+1) المعادل ريسه معادل رياسي رنظا 454+454+15+1 قطعها 5+0.3=0 - Nolanie, - 45 + 45 + 45+ Y 5+0, H -1,13 45+1,45+4,46 1,454+43 -1,75 - 1745 7,7+5+Y -4,4+5-1,99 (3+0.4) (95 + 1, Y3 + 4,4+) = 0 > Y \ = 1 → \ = 0, d 45 + 1, 1 5 + 4, 4 + =0 -> 5 + 0, 1 5 + 1, 1 =0 ( w = 11, 1 ~1 wo > d -> is in e ( Acos w, t +Bsinw,t) W\_ = Jwr-4r = 0/14 1(+) = 0 + Ae + e (B COSWst + CSinwst)

$$\frac{1}{(t)} = A e^{-\sigma/Vt} + e^{-\sigma/At} \left(BCos \frac{1}{2}Ayt + Csino(Ayt)\right) + 0$$

$$\frac{1}{(s)} = \frac{Y s^V + 5 - 1}{Y s^V + V s + V}$$

$$\frac{1}{(s)} = \lim_{s \to \infty} SF(s) + \frac{1}{2} \frac{1}{2} \int_{s \to \infty} F(s) - SF(s) - SF(s)$$

$$\frac{1}{2} \int_{s \to \infty} F(s) + \frac{1}{2} \int_{s \to \infty} F(s) - SF(s) - SF(s)$$

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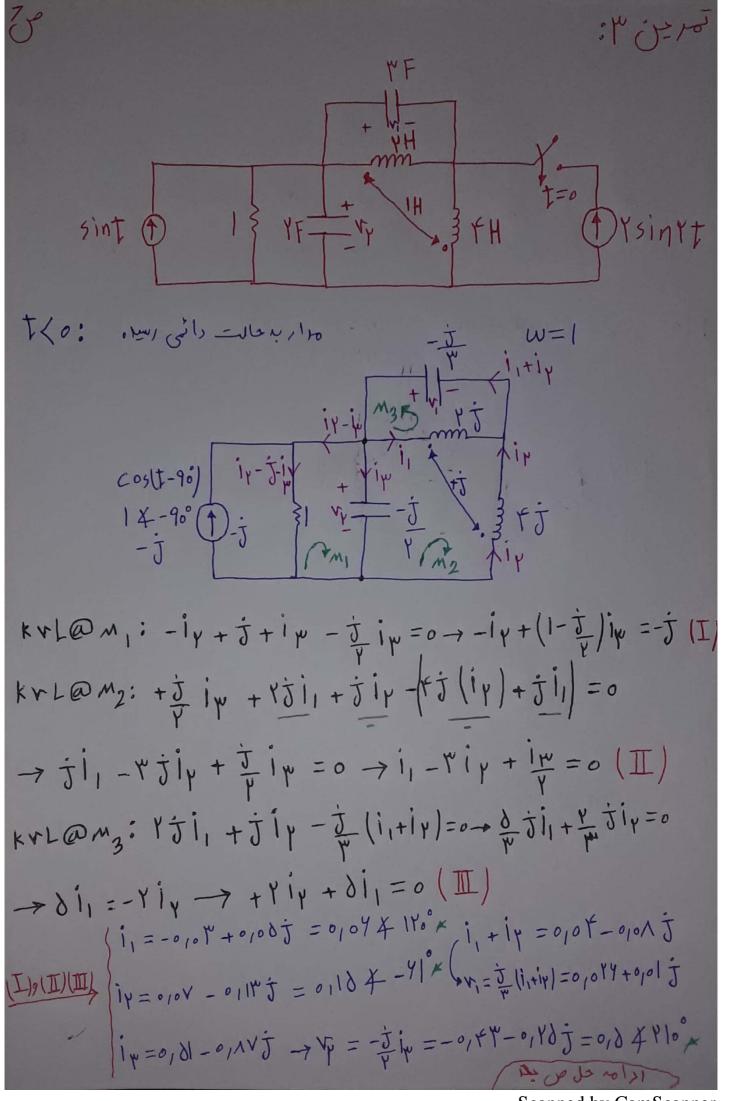
$$\frac{1}{2} \int_{s \to \infty} F(s) + \frac{1}{2} \int_{s \to \infty} F(s)$$

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$$\frac{1}{2} \int_{s \to$$



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$$A = (s^{r} + f)(r1s^{\delta} + frs^{r} + fs^{r} + 1fs^{r} + 1)$$

$$V_1 = \frac{1}{4} \left( i_1 + i_Y + \frac{f}{s'+f} \right)$$

تبدين: ع سخ ضرب ضرب مدار شكل زير با فرف شرايط اوليه صفر

