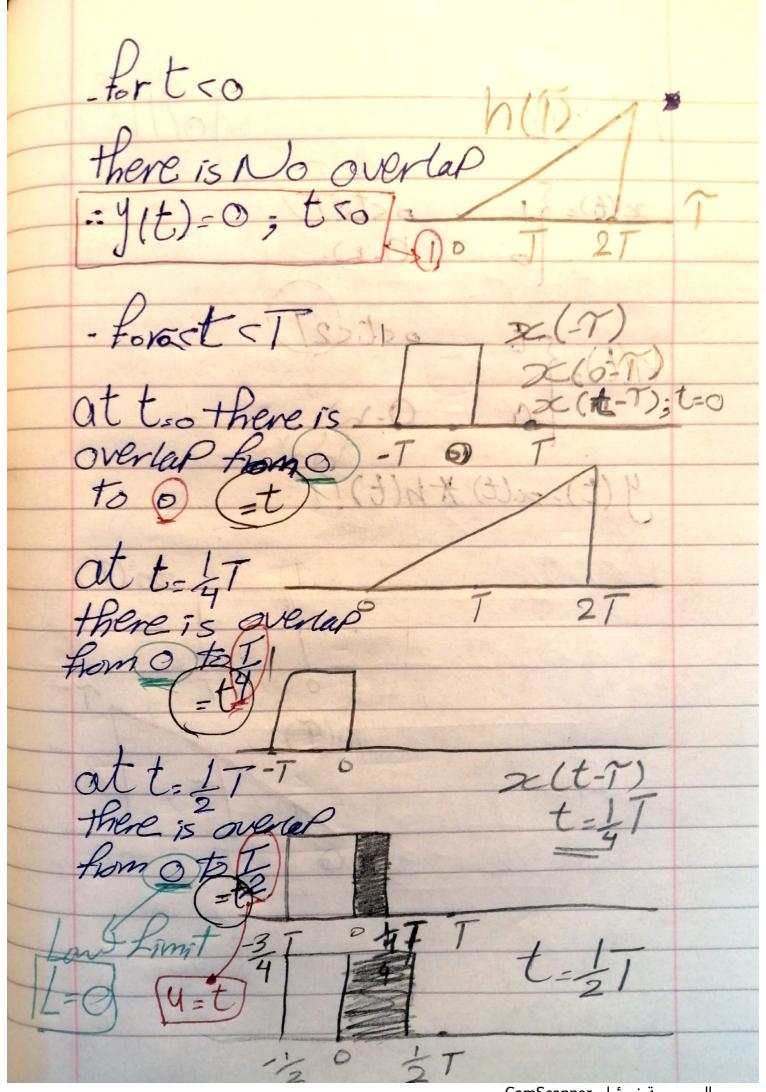
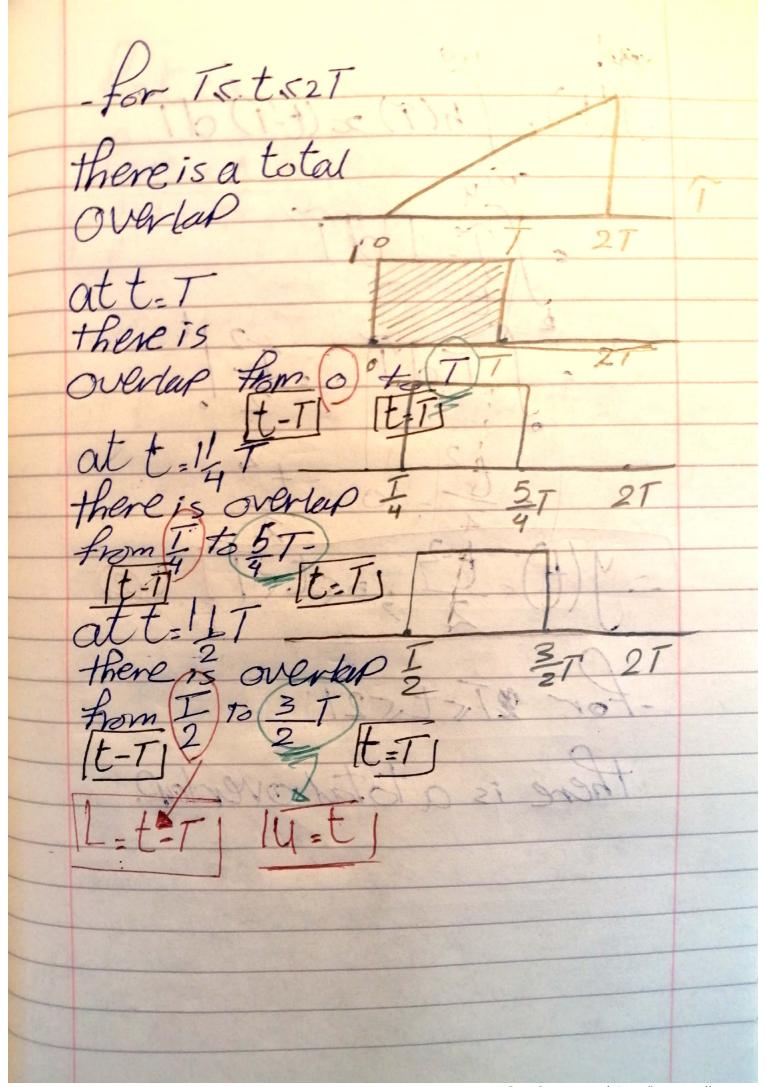


الممسوحة ضوئيا بـ CamScanner

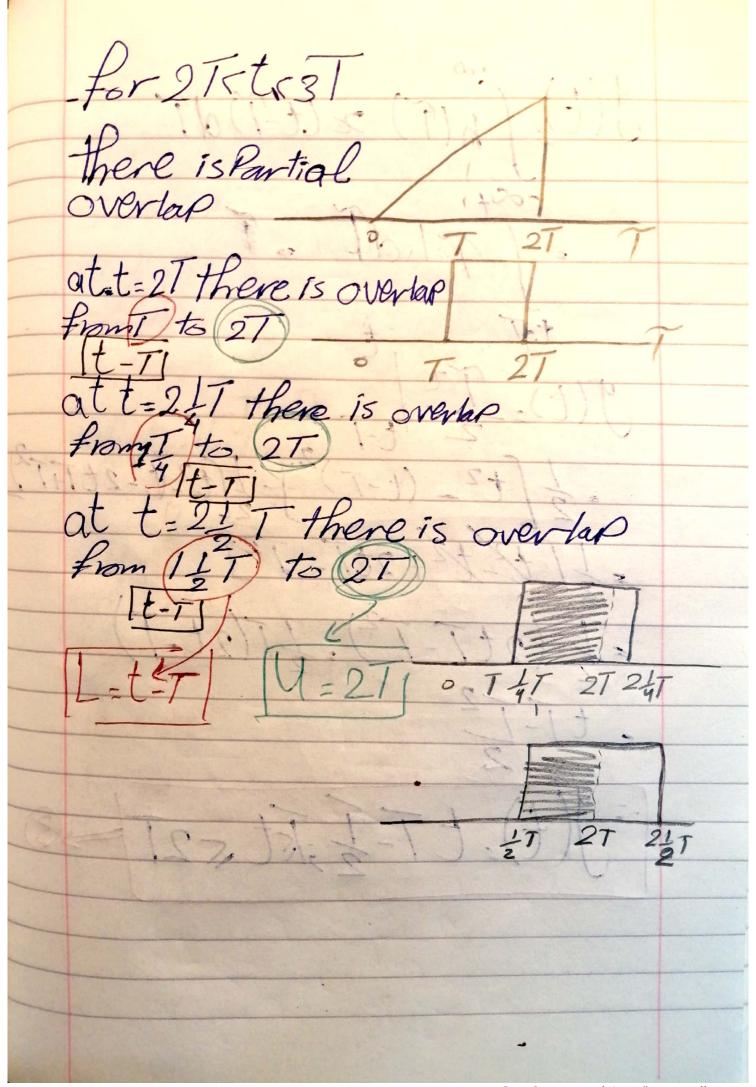


الممسوحة ضوئيا بـ CamScanner

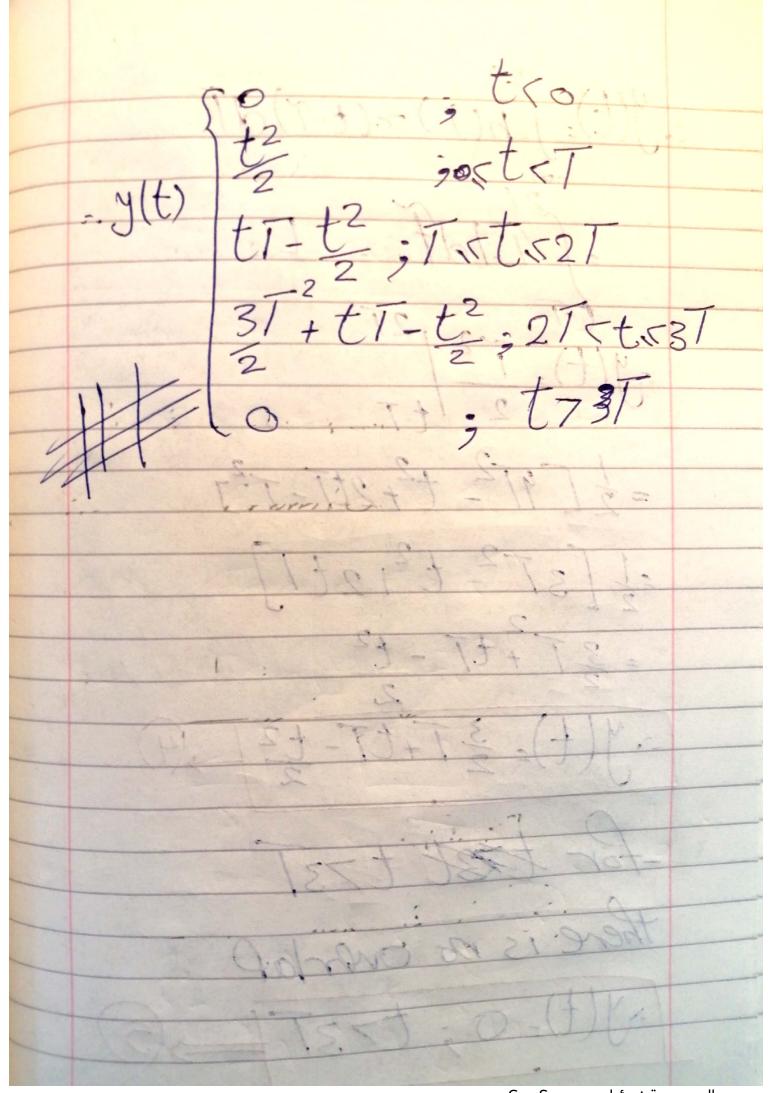
 $J(t) = \int h(T) \times (t-T) dT$ = T. 1 dT = ST dT = 12/t $\frac{t^2}{2} - 0 = \frac{t^2}{2}$ -- y(t)= == ; octil -For 2Trts2T there is a total overlow.



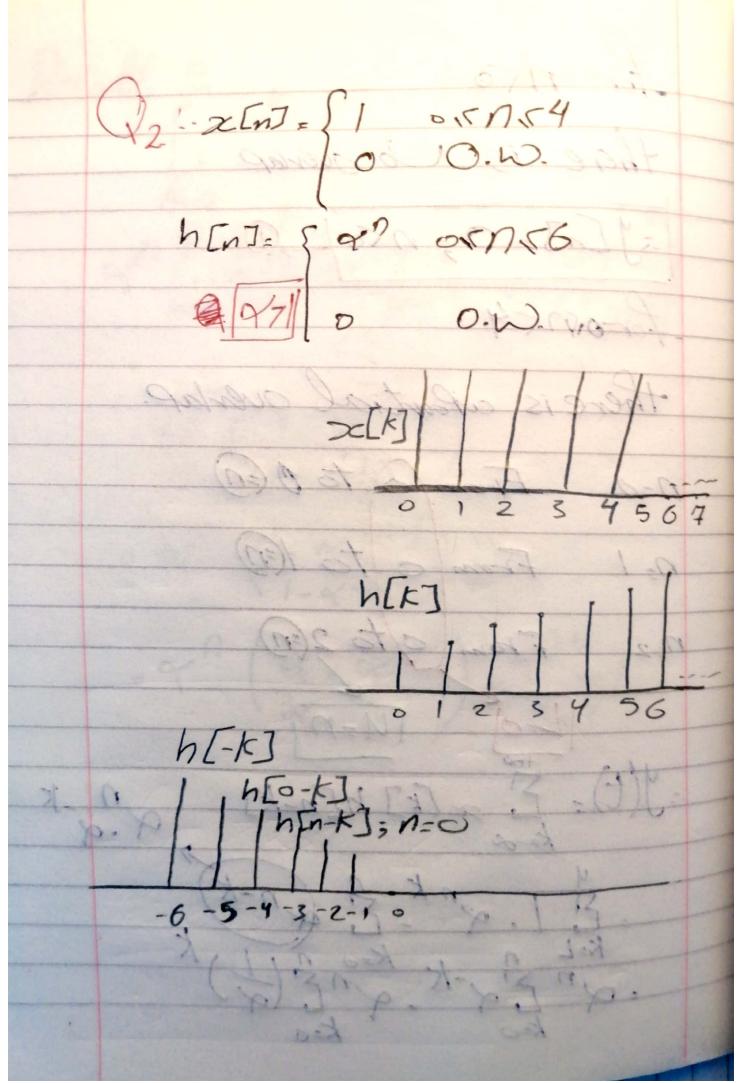
y(t)= (h(T) 2(t-T)dT y(t)= 72/+-1 $= \frac{1}{2} \left[t^2 - (t-T)^2 \right] = \frac{1}{2} \left[t^2 - (t^2 - 2tT + T^2) \right]$ $= \frac{1}{2} \left[t^2 - t^2 + 2tT - T^2 \right]$ = \frac{1}{2} (2tT-T^2) = \frac{1}{2}T(2t-T) = tT-I2 = /(t), tT-{; kt = 2T



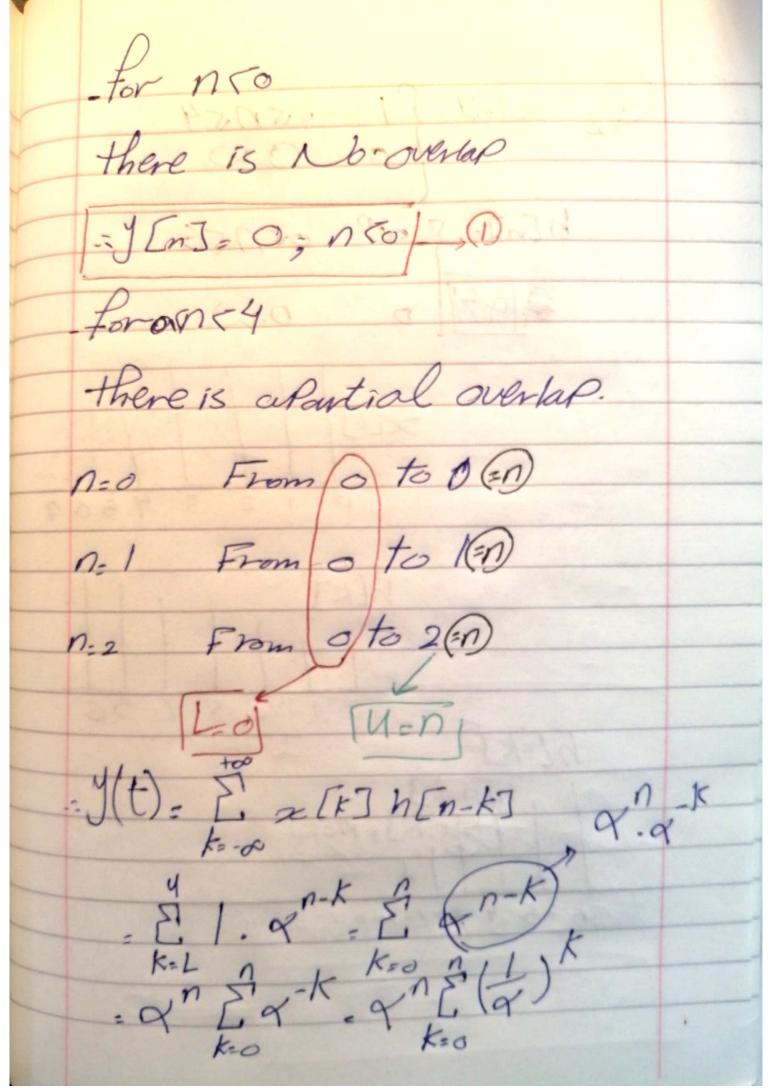
: y(t)= (h(T) x(t-T) dT. -27 -10/t = Li -y(t) = 72/27 -y(t) = 72/27 = = = [9/2- t2+2t1-T2] = [[3T2-t2+2t]] = 3T+tT-t2 -. y(t)= = = T+tT- == 1,4 -for tast t73T there is no overlap 1.y(t)=0; t737 => (2



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Recall by k = ra 1-rb-a+1 k = a $2^n \sum_{k=0}^{n} {k \choose k} = 2^n \left[{k \choose a} - {k \choose a} \right]$ k = 0 n+1 $= \sqrt[4]{\frac{1-(\frac{1}{4})^{n+1}}{1-(\frac{1}{4})}}$ $\left(\frac{1-\alpha^{-n-1}}{\alpha} \right) = \frac{\alpha}{\alpha}$ $= \gamma'' \left(\frac{\alpha - \gamma''}{\alpha - 1} \right) = \frac{\gamma'' + 1}{\alpha - 1}$