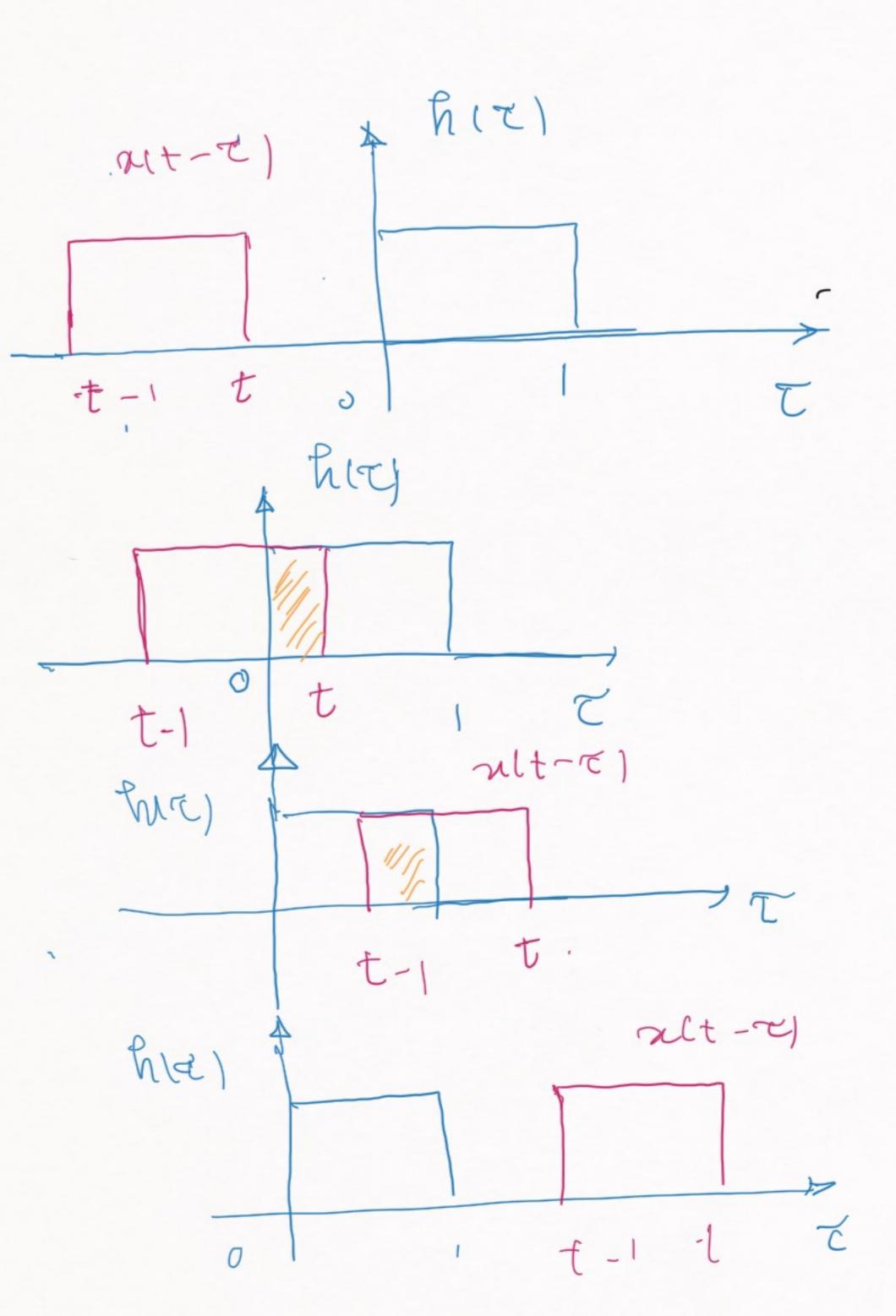
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The for 
$$t < 0 \implies y(t) = 0$$

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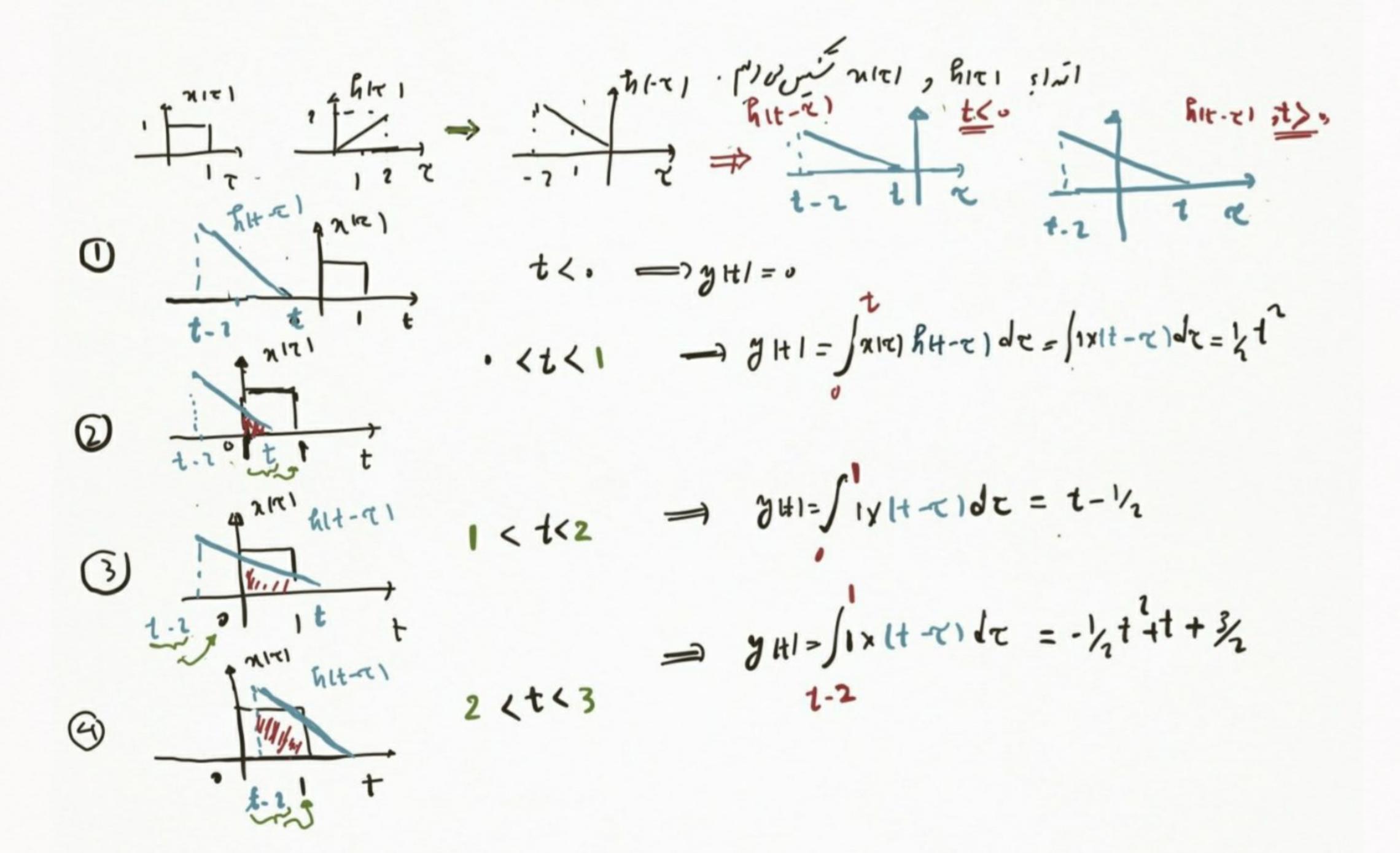
The for  $t < 0 \implies y(t) = 0$ 

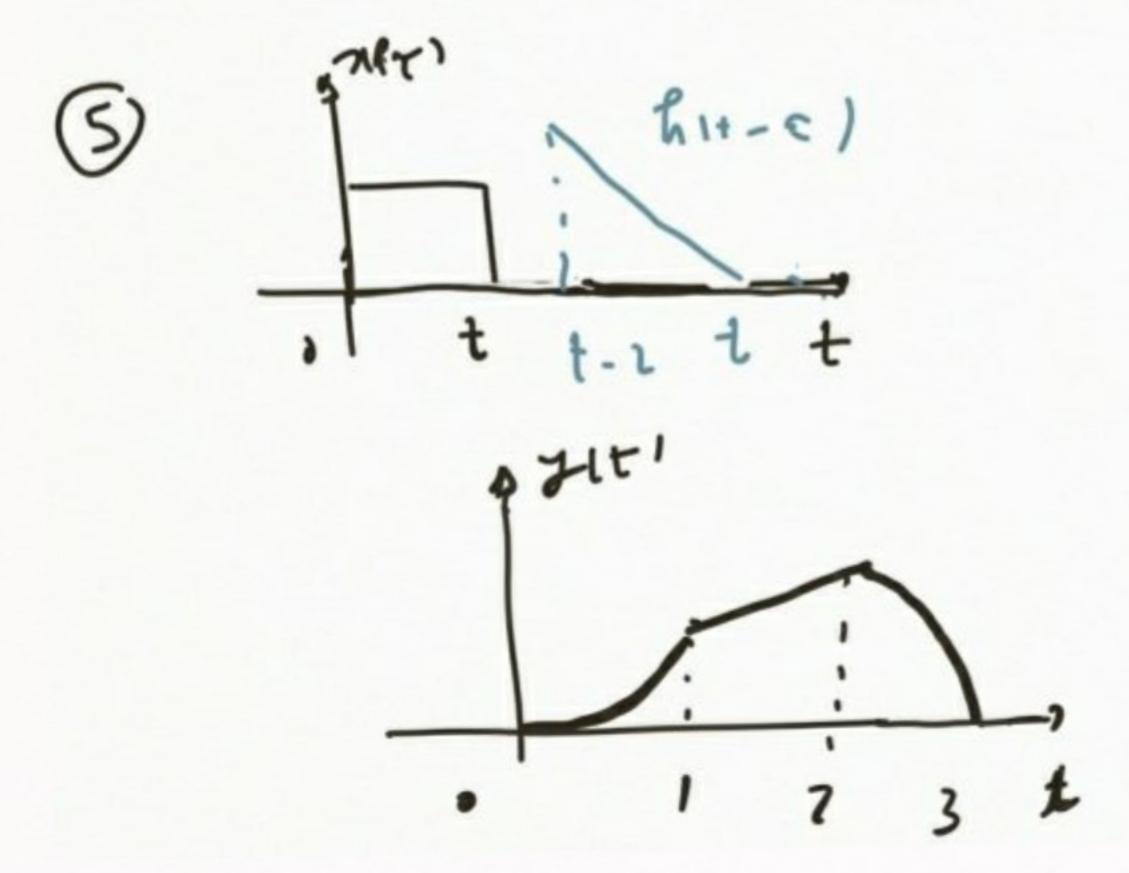
The formulation  $t = 0$ 

The formula

$$(2) \quad (\pm \pm 1) \implies \text{get} = \int_{0}^{1} |x| dz = \pm 1$$







$$| f(t)| = \int_{-\infty}^{\infty} f(t) e^{-itt} dt \qquad \text{withing in} \qquad (\text{withing in})$$

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$$| f(t$$

cho e cut/ ( ) jwp2  $\frac{\text{net}(L)}{\text{Jt}} \times \frac{\text{Jyw}}{\text{Jw}} = \frac{\text{Jt}}{\text{Jt}} \times \frac{\text{$ · 1,55 = Xlyw = (jw+d) n Jus vi- is x(yw) = -3w+2jw+4 - xut1 = ?( SU) = +38(t1+28H)+48H) 8 It 1 4 9 (JW) = - W2

: 3906,5 Novino La Brigin. المراع مرت از بخرج المرائد ومرى د ناسر موت بخرج المرائع. => 241 = Aeult + Be alt) (gw+2)(jw+4) jw+2 jw+4 A = (JWT2| XYW) jw=-2 (gw+4) |jw=-2 13 = 1jw + 3 1 x1jw) 1jw+21 JW= - 4

$$X(j\omega) = \frac{j\omega + 6}{(j\omega + 3)(j\omega + 2)^{2}}$$

$$X(j\omega) = \frac{A}{j\omega + 3} + \frac{B_{1}}{j\omega + 2} + \frac{B_{2}}{(j\omega + 2)^{2}}$$

$$A = (j\omega + 3)X(j\omega) = \frac{-3+6}{(-1)^{2}} = 3$$

$$B_{2} = (j\omega + 2)^{2}X(j\omega) = \frac{-2+6}{(-1)^{2}} = 4$$

$$B_{1} = \frac{d}{dj\omega} \left\{ (j\omega + 2)^{2}X(j\omega) \right\} = \frac{d}{dj\omega} \left\{ (j\omega + 2)^{2}X(j\omega)$$

-00°

$$||x| = \frac{1}{|x|} + \frac{1}{|x|}$$

extinity of which FIWI= Stille dt =) F(01= Still dt fition M(W) I = F (0) = 1/W) = 1

 $I = \int_{-\infty}^{\infty} \frac{\cos t}{t} dt = ?$  $T = \int_{0}^{\infty} \frac{\cos t}{t^{2}+1} dt = \frac{1}{2} \int_{0}^{\infty} \frac{$ 10 - 20 m , xtt = Cswat xtt = Swhit while sunt - Jus erc'a