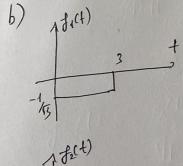
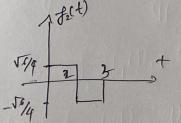


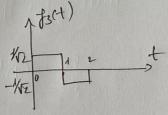
$$f_{3}^{\prime}(t) = S_{3}(t) - G_{2} \cdot f_{1}(t) - G_{2} \cdot f_{2}(t) = S_{3}(t)$$

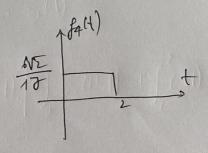
$$E_{3} = \int_{-\infty}^{\infty} f_{3}^{\prime}(t) \Big|_{t}^{2} dt = \int_{-\infty}^{+\infty} f_{3}(t) \Big|_{t}^{2} dt = 2$$

$$f_{3}(t) = \frac{S_{3}(t)}{|E_{3}|} + \frac{S_{3}(t)}{|E_{3}|} = \frac{S_{3}(t)}{|E_{4}|} + \frac{S_{3$$









 $\int_{-\infty}^{+\infty} |f(t)|^2 dt = 1$ $\int_{-\infty}^{+\infty} |f(t)|^2 dt = 1$ $\int_{-\infty}^{+\infty} |f(t)|^2 dt = 1$ J+18 (4) 12H= 144 $\int_{-\infty}^{+\infty} f_1(t) \cdot f_2(t) dt = -0,353$ $\int_{-\infty}^{+\infty} f_2(t) \cdot f_3(t) dt = 0$ 5+ of et). fut 1 = 0,611 5 fill)-fill) dt = 0 100 f3t1).f4(t)dt = 0 5+6 filt), falt) of = -0,576 (f3(+) S1= (3 f1(+) S3 = \(\sigma_2 \, \frac{1}{3} \, (4)\)

中山

e) d13 = \(\(\text{(13)}^2 + \(\text{(12)}^2 = \text{15} = 2,236