Le₁₀ Wednesday, 22 March 2023 10:30 Es 1 $x(n) = \delta(n) + \frac{1}{2} \delta(n-1)$ $y(n) = vect\left(\frac{n-1}{3}\right)$ $vect\left(\frac{t-to}{a}\right) = vect\left(\frac{t}{3}\right)$ A) DISEGNARE X(n) E y(n) B) CHLCOLLREE Z(n) = x + y(n)C) CALCOLARE V(n) = [x(n-3)] * [y(n+2)]y(n)=1 per 3, (1/2) $-\frac{1}{2} < n < \frac{5}{2} = 2.5$ osms2 z(n) = x + y(n) $= [d(n) + \frac{1}{2}d(n-1)] + g(n)$ = $5 + 9(n) + \frac{1}{2} 6(n-1) + 9(n)$ $= y(n) + \frac{1}{2}y(n-1)$ + (FN) b v(n) = x(n-3) + y(n+2) = x+y(n-3+2) = x * y (n-1) = Z(n-1) y (+) = Arect 2 (+-1) E51366 CALCOLARE & DISEGNARE X49 (4) $A_{x} = 16 - 16 = 0$ Ay = 2A sector) = rect (to) REGOLA TOAPETIO ARTY =(+)= rect p, + rect p2 (+) D12D2 D, + P2 x+9(+) = v(+) = [4rect4(++10) -2 rect8(+-8)] * [Alect2(+-1)] = 4A rect 4(++10) + rect 2(+-1) -2 A rectg (+-8) + rect_2(+-1)

 $y(t) = e^{t}$ x(t) = sim(t+2) 1(t)

g (+) = sim(+)

t-u sin (u+2)

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