All required changes are thought with respect to original FS wave function. Port 2: -> Required change is I need to revuse the Xu array. As an example: Xh = [7, 1, 2] RUCK Yh = Xh = [2, 1,] To achieve this, flip() function is used. The effect of the operation is time reversel, Ut XC+1 = I XL e -> Required change is I need to multiply the values with e T wen I collecte Xk. . I need to multiply the formula derived in part 2 with e- I T · I also create another pareneter for fixwer, which is to, so that I can calculate the with The effect of e T factor is it shifts the signal to right so respect to to. y41 = x(t-t) -> Regard charge is I need to multiply the formula derived in Port & with JEZA. Part C: . By doing this operation, I take the derivative of x(t) s, $y(t) = \frac{dx(t)}{dt}$ - By defining the the complex conjugate of the and symmetry of the it taken with respect to the In order to achieve this, Blowing code should be written in the for loop when is iterating y-axis simultenessly throng -k to k. il 6)0 XL(2+K+1-4) = this kes x4(-4) = -clic Xk(| ktl) =0

I Corresponding plats to these ports are given below!