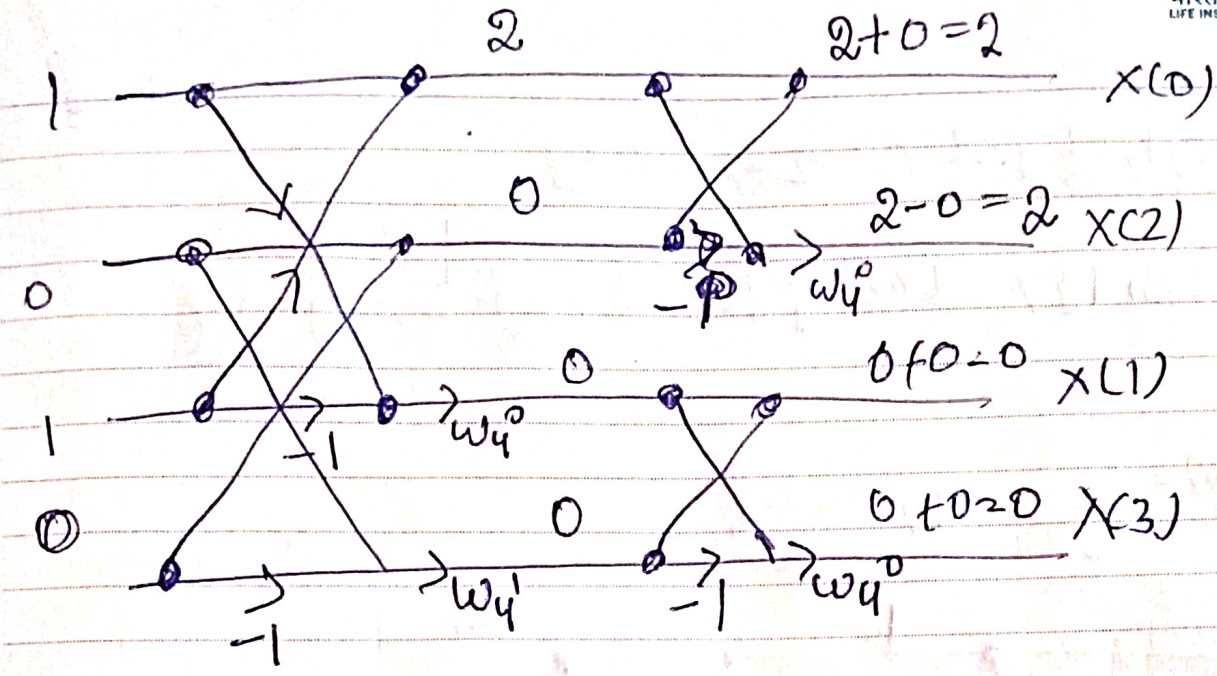
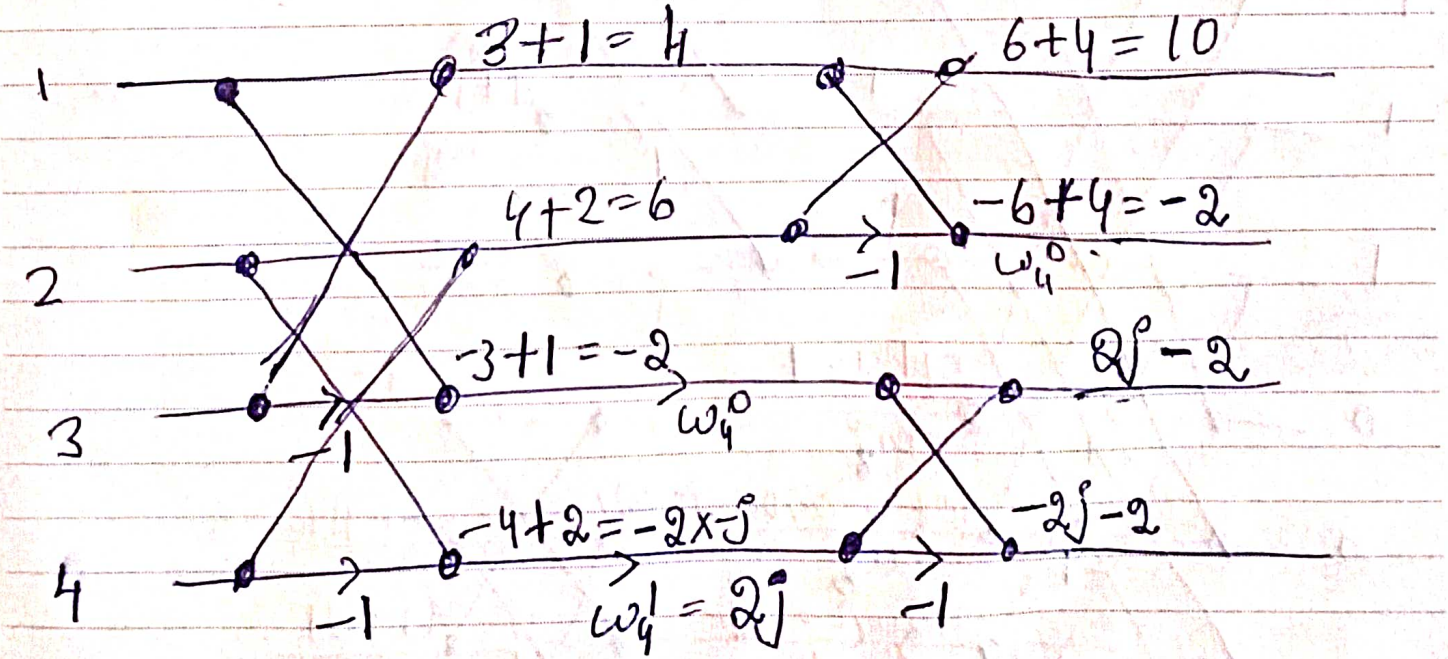
$x(n) = \{1, 0, 1, 0\}$



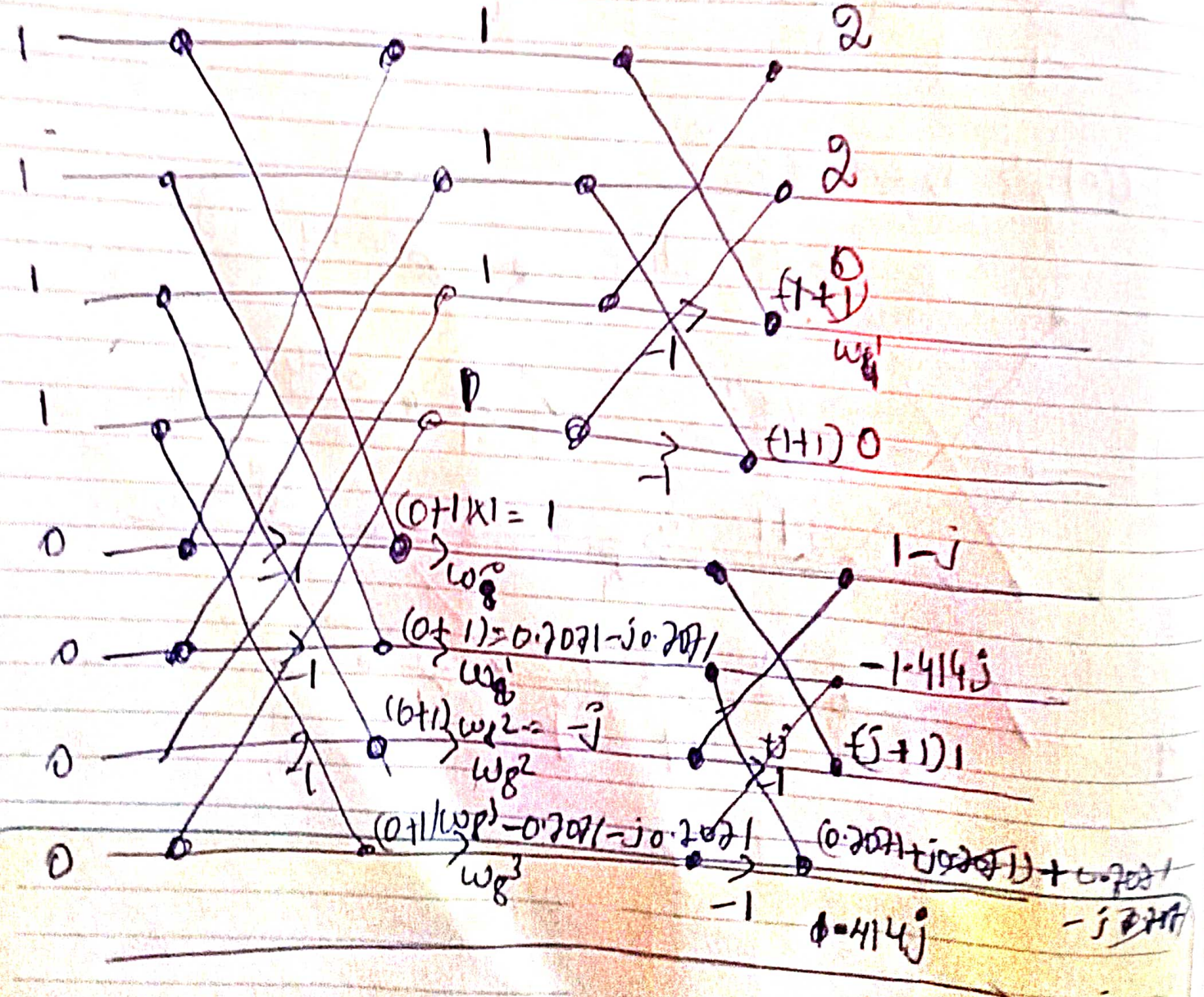
$x(n) = \{1, 2, 3, 4\}$

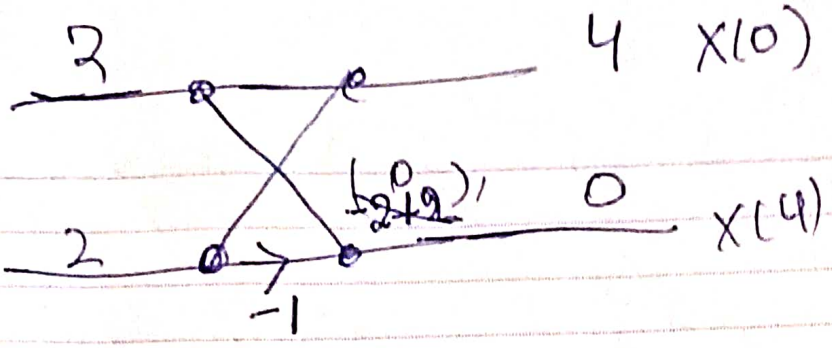


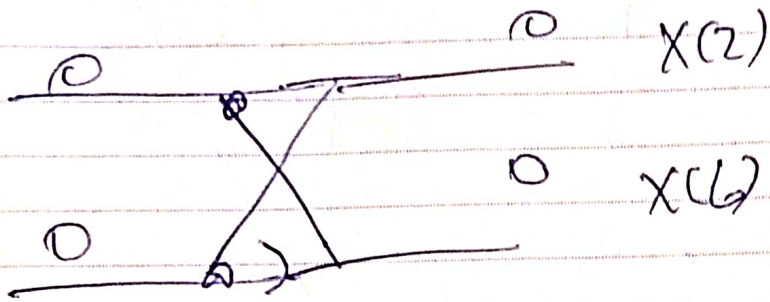
$x(n) = \{1, 0, 1, 0\}$; $x(k) = \{2, 2, 0, 0\}$

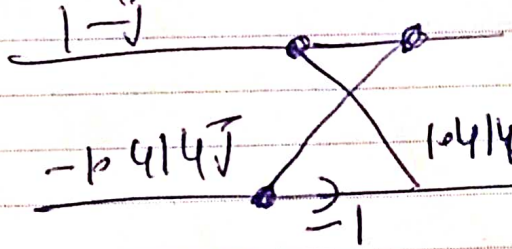
$h(n) = \{1, 2, 3, 4\}$; $x(k) = \{10, -2, 2j-2, -2j-2\}$

$x(n) \textcircled{*} h(n) = \{20, -4, 0, 0\}$



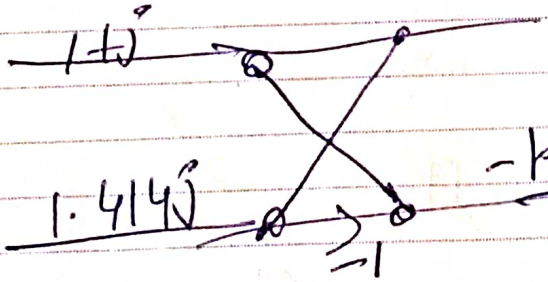






$1-j-1.414j = 1-2.414j$ X(1)

$0.414j+1$ X(5)



$1.414j+1+j = 1+2.414j$ X(3)

$-1.414j+1+j = -0.414j+1$ X(7)

~~{4, 1+2.414j, 0, 1+2.414j, 0, 0.414j+1, 0, -0.414j+1}~~