

# Forward DFT for complex input vector

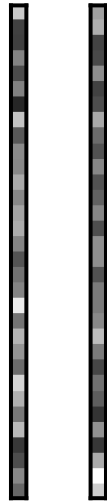
$x$

$\mathbf{c}$

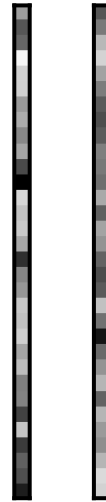
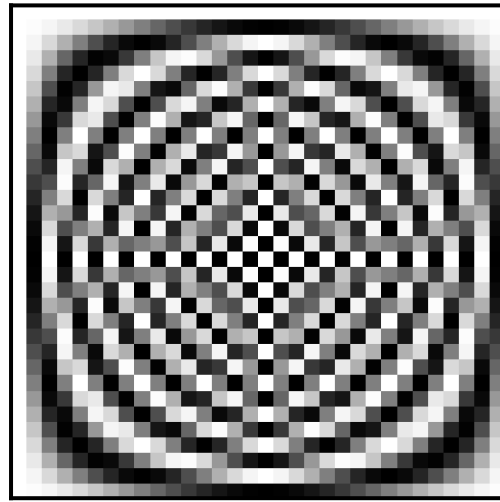
$x$

$\mathbf{s}$

$x$



$=$



$-i$

