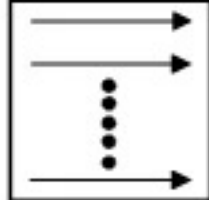


+



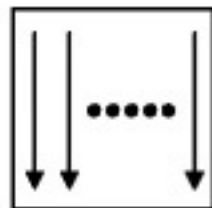
=

[2-D DFT of $x(n_1, n_2)$]
 $= X^T(k_1, k_2)$

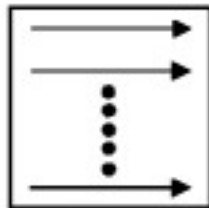
N 1-D DFTs
 each of length N
 along columns

followed
 by

N 1-D DFTs
 each of length N
 along rows



+



=

[2-D IDFT of $X^T(k_1, k_2)$]
 $= x(n_1, n_2)$

N 1-D DFTs
 each of length N
 along columns

followed
 by

N 1-D IDFTs
 each of length N
 along rows