

transformRadix2(vec)

$n = \text{length of vector}$

$\text{levels} = \log_2(n)$

Exponential table (Twiddle factor) calculation
expTable = $e^{-i2 \pi k/n}$
where, $k = 0 \dots (n-1)/2$

Index bit reversal
permutation on vec

Cooley-Tukey
decimation-in-time
radix-2 FFT

FFT output data vector vec