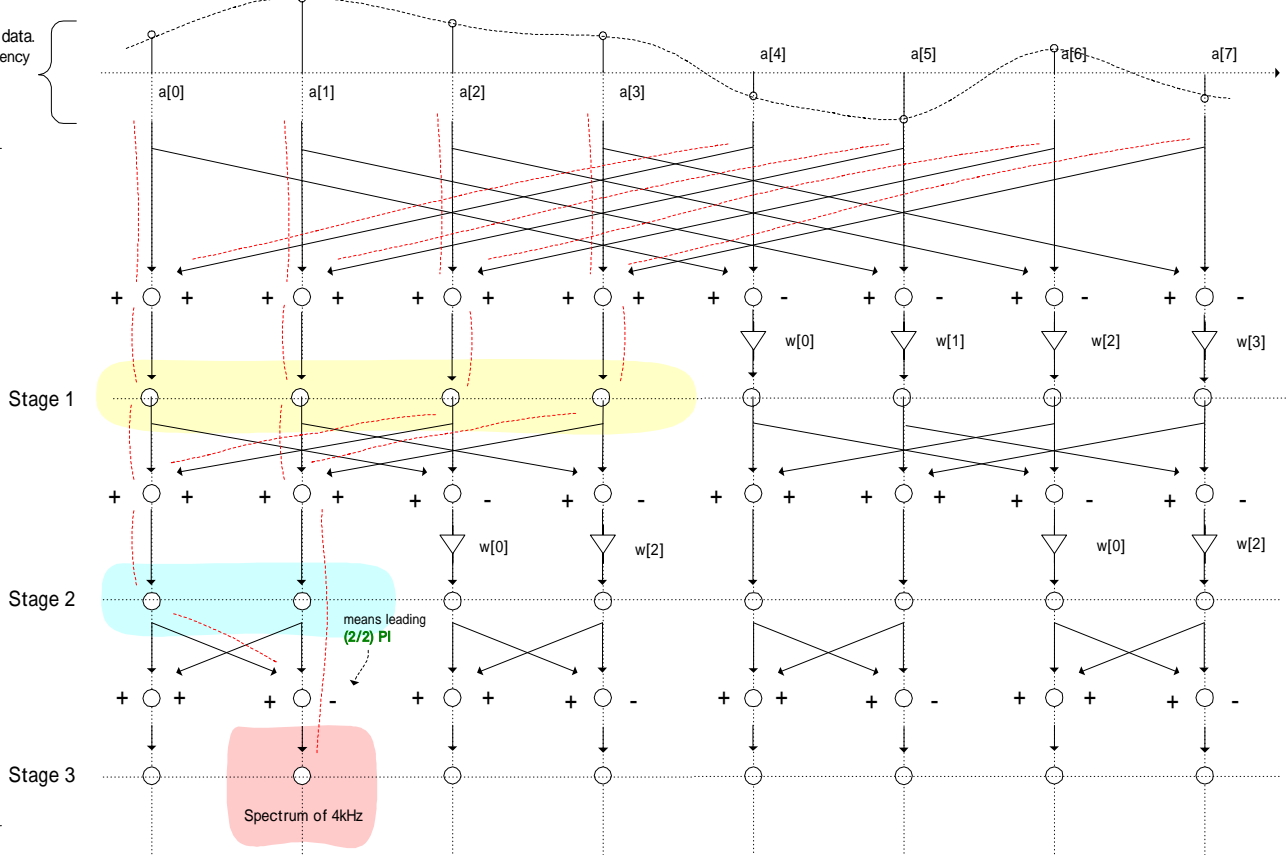
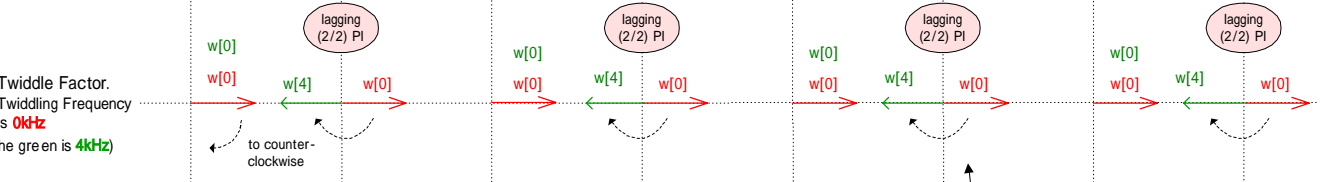


Time-domain data.
Sampling Frequency is 8kHz

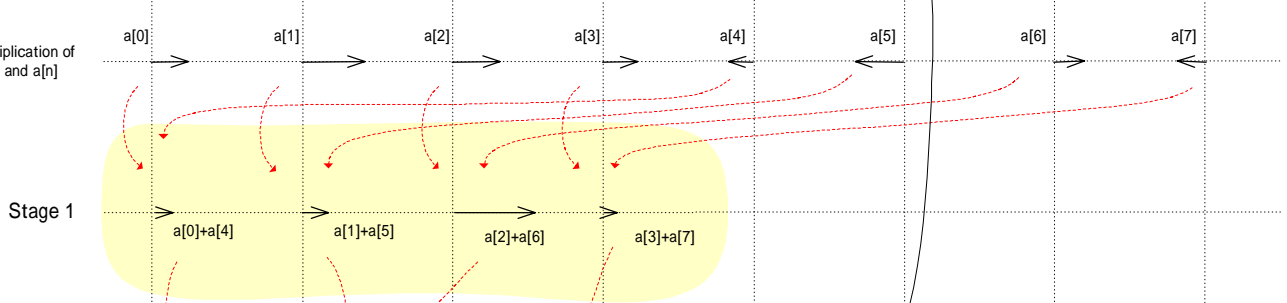
Block diagram of FFT



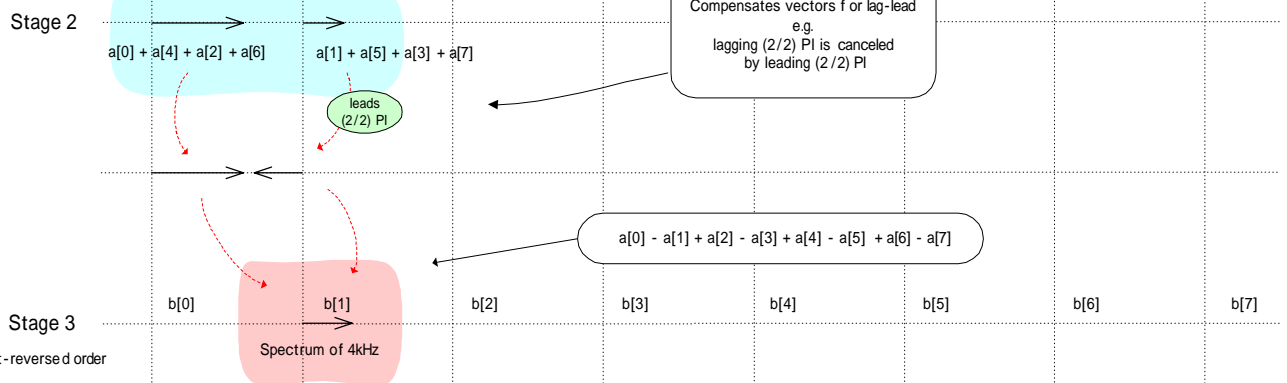
Twiddle Factor.
Twiddling Frequency is 0kHz
(the green is 4kHz)



Multiplication of $w[0]$ and $a[n]$



Vector calculation and FFT result



Bit-reversed order

000	001	010	011	100	101	110	111	
000	100	010	110	001	101	011	111	
Actual order of FFT	$c[0]$	$c[4]$	$c[2]$	$c[6]$	$c[1]$	$c[5]$	$c[3]$	$c[7]$