

DFT Analysis (5B)

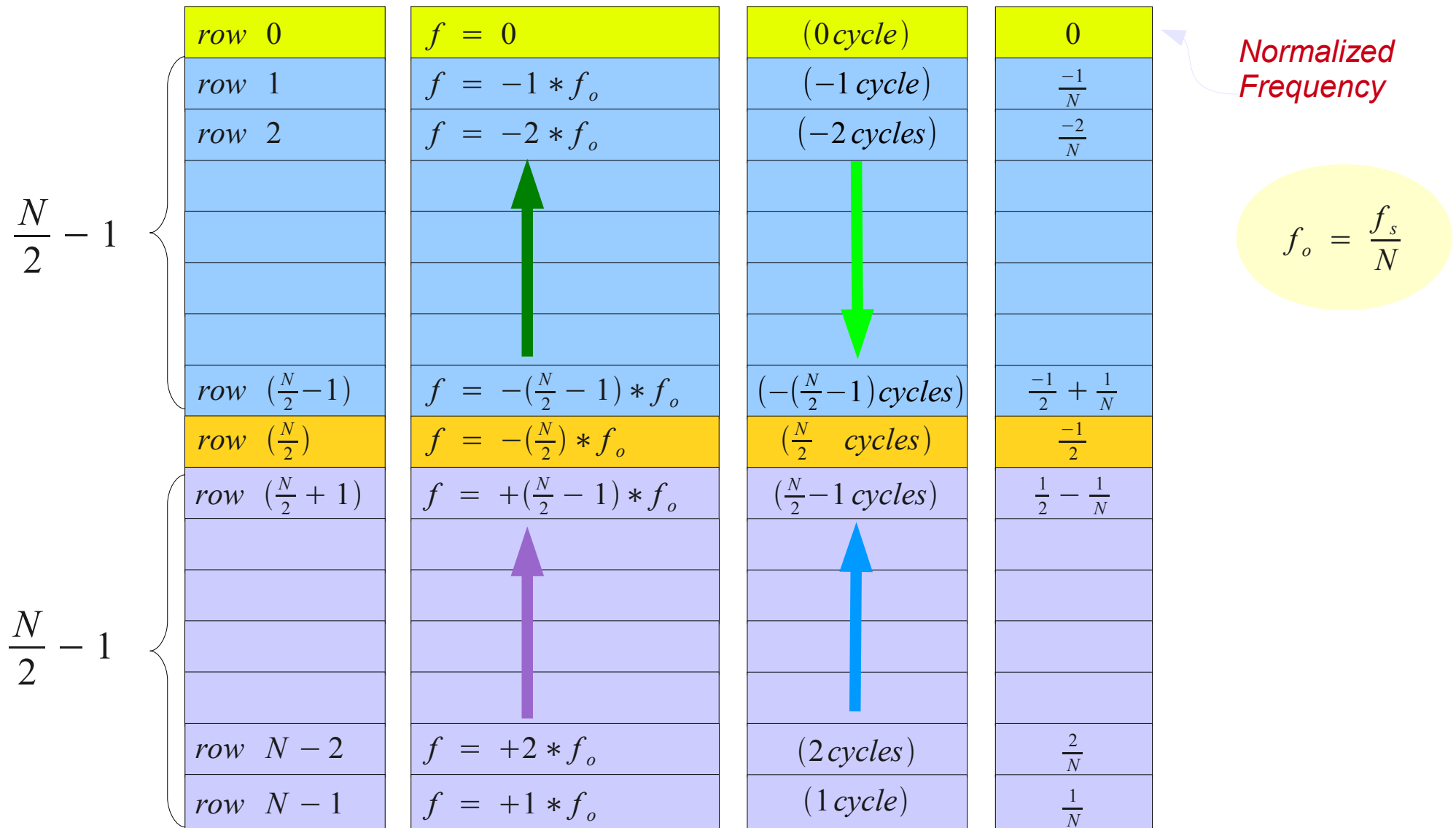
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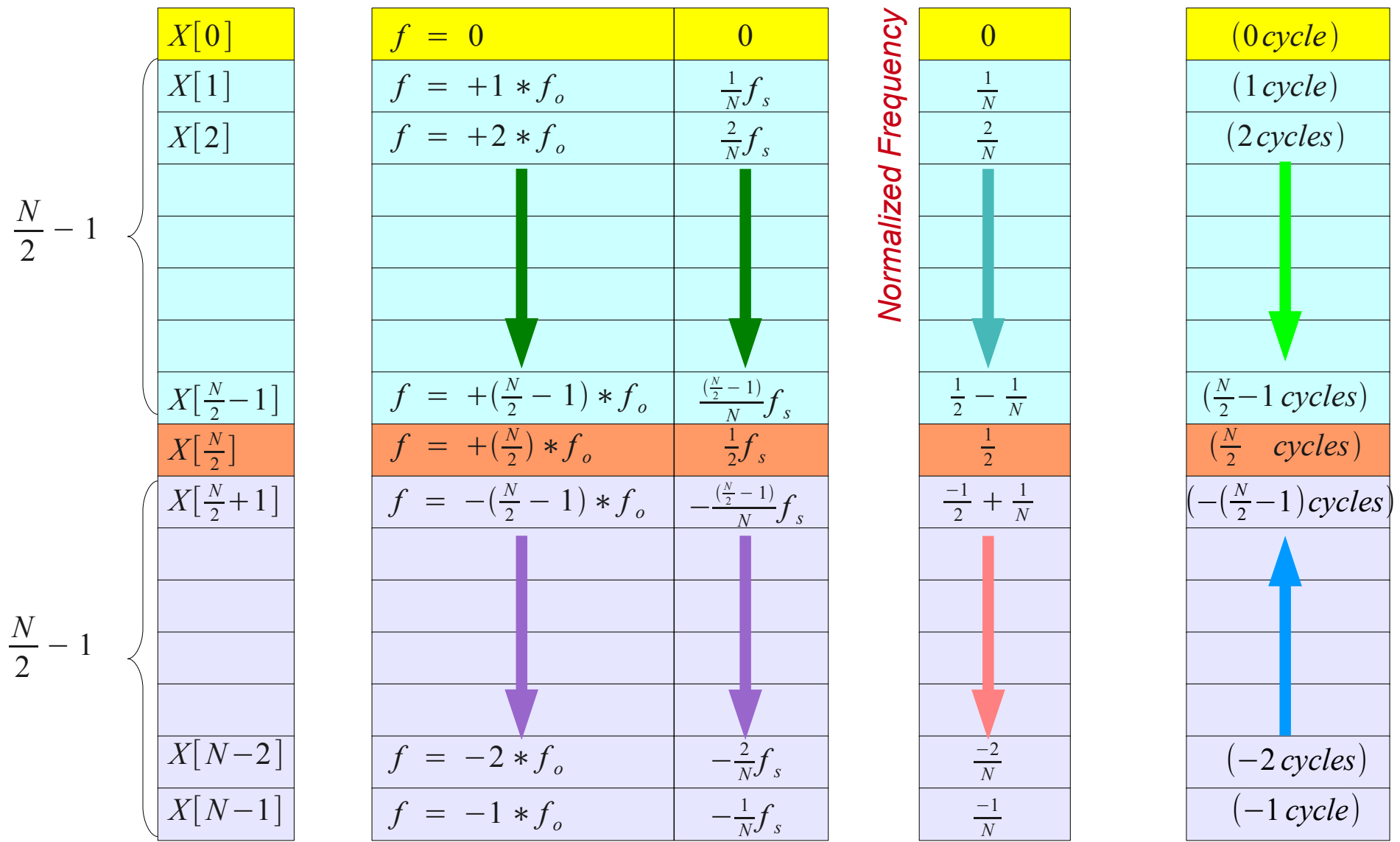
Please send corrections (or suggestions) to youngwlim@hotmail.com.

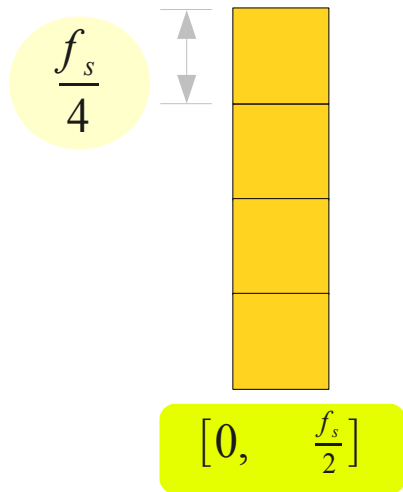
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Frequency View of a DFT Matrix

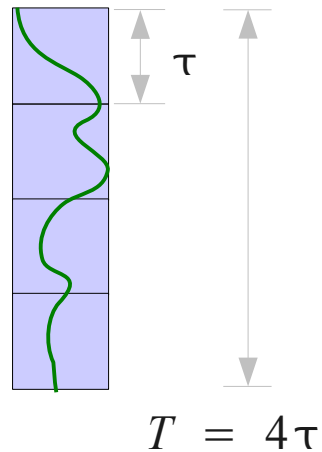


Frequency View of a X[i] Vector

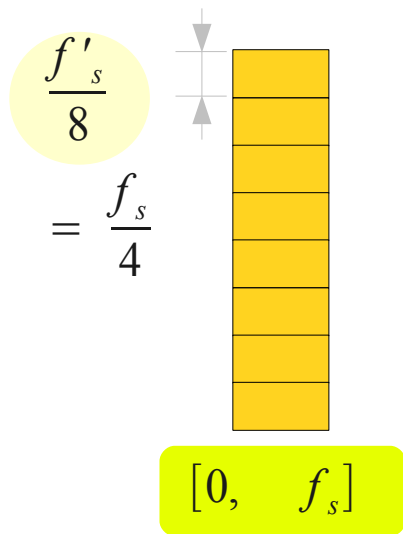




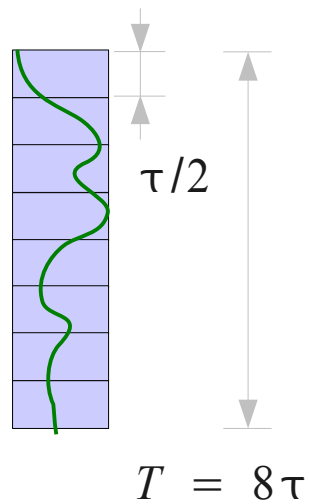
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$f_s = \frac{1}{\tau}$

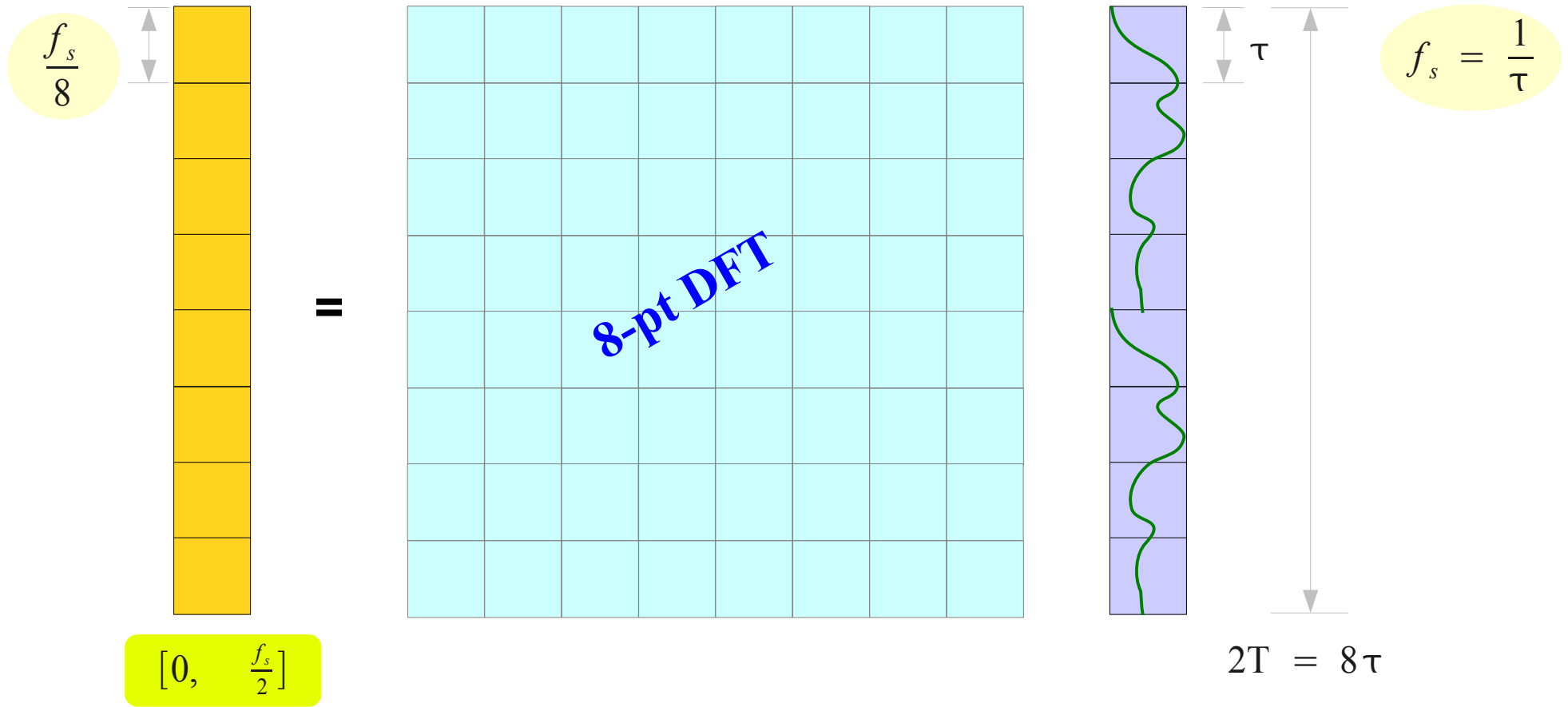


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$f'_s = \frac{2}{\tau}$

$= 2f_s$



References

- [1] <http://en.wikipedia.org/>
- [2] J.H. McClellan, et al., Signal Processing First, Pearson Prentice Hall, 2003
- [3] A “graphical interpretation” of the DFT and FFT, by Steve Mann