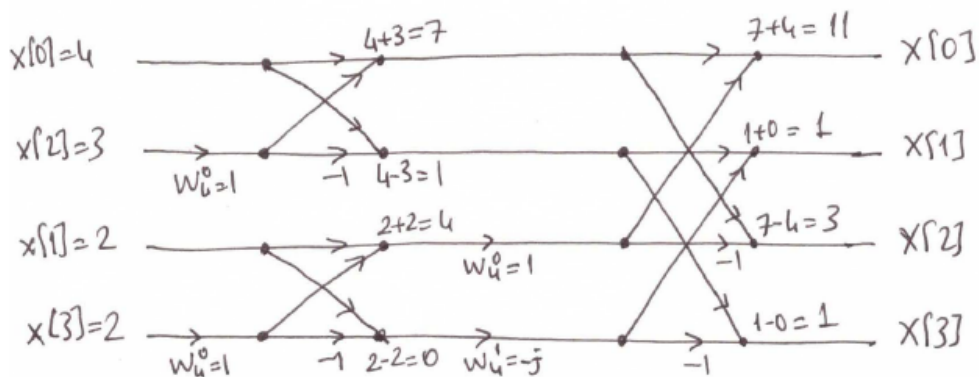


Compute the 4-point DFT of the sequence

$$x[n] = \{4, 2, 3, 2\}$$

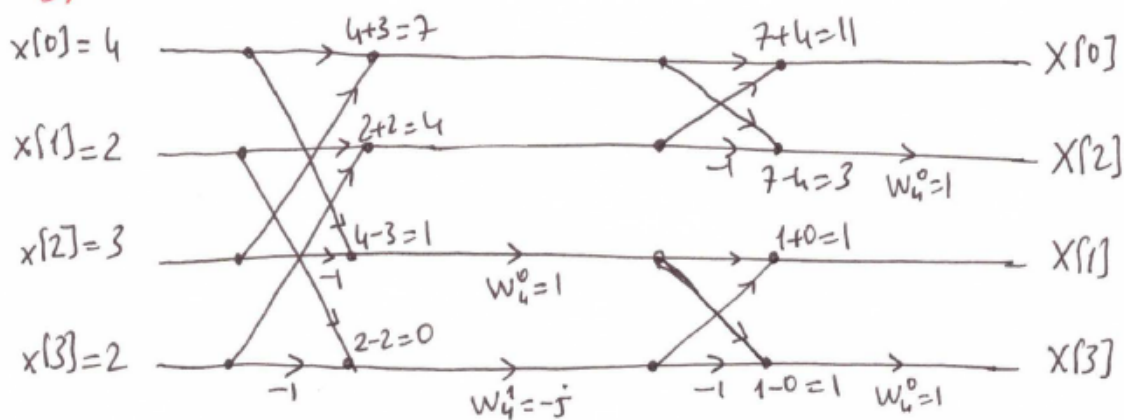
- (a) using decimation in time FFT algorithm.
- (b) using decimation in frequency FFT algorithm.

a)



$$X[k] = \{11, 1, 3, 1\}$$

b)



$$X[k] = \{11, 1, 3, 1\}$$