DT FT of
$$cos(\omega_{0}n)$$
 and $sin(\omega_{0}n)$

$$y(c^{1}\omega) = \sum_{n=-\infty}^{+\infty} y[n]e^{-j\omega n} = \sum_{n=-\infty}^{+\infty} e^{-j\omega n}$$

$$y[n] = 1 = y[n] + y[n]e^{-j\omega n} = 1$$

$$Accordation property$$

$$f(y[n]) = \sum_{n=-\infty}^{+\infty} x[h] + \sum_{n=-\infty}$$

$$X(e^{i\omega}) = \sum_{m=-\infty}^{+\infty} \sum_{k \in \omega} \sum_{k \in \omega} x_{i} \left\{ (\omega - k\omega_{i} - 2\pi m) \right\}$$

$$X(e^{i\omega}) = \sum_{k \in \omega} \sum_{k \in \omega} x_{i} \left\{ (\omega - k\omega_{i} - 2\pi m) \right\}$$

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