بانع قبل ری یا رامنی محسدسی (می نوید)

$$B(\omega) = \int_{-\infty}^{\infty} f(x) \sin \omega x \, dx = 2 \int_{-\infty}^{\infty} f(x) \sin \omega x \, dx = \frac{2}{\omega} \cos \omega x \Big]_{-\infty}^{\infty} = \frac{-2}{\omega} \left(\cos \pi \omega - 1 \right)$$

$$\Rightarrow f(x) = \frac{2}{\pi} \int_{-\infty}^{\infty} \frac{1 - \cos(\pi w)}{\omega} \sin(\pi w) dw = \frac{x = \pi}{2} \int_{-\infty}^{\infty} \frac{1 - \cos(\pi w)}{\omega} \sin(\pi w) dw = \frac{f(\pi) + f(\pi^{\dagger})}{2} = \frac{1}{2}$$

$$\int_{-\infty}^{\infty} \frac{1-c_{3}\pi\omega}{\omega} \sin \pi\omega d\omega = \frac{\pi}{4} \int_{-\infty}^{\infty} \frac{1-c_{3}\pi\varkappa}{\varkappa} \sin \pi\omega d\varkappa = \frac{\pi}{4} \int_{-\infty}^{\infty} \frac{1-c_{3}\pi}{\varkappa} \sin \pi\omega d\varkappa = \frac{\pi}{4} \int_{-\infty}^{\infty} \sin \pi\omega d\varkappa = \frac{\pi}{4} \int_{-\infty}^{\infty} \frac{1-c_{3}\pi}{\varkappa} \sin \pi\omega d\varkappa = \frac{\pi}{4} \int_{-\infty}^{\infty} \frac{1-c$$

$$\frac{y_2}{A(\omega)\sqrt{\beta(\omega)}} = \frac{f(-y_1)}{\omega} - \frac{\varphi(y_1\sqrt{\beta})}{\omega}, \qquad \frac{\int_{-\infty}^{\infty} \frac{f(y_1)}{2} - \frac{f(-y_1)}{2}}{\omega} - \frac{\int_{-\infty}^{\infty} \frac{f(y_1)}{2} - \frac{f(-y_1)}{2}}{\omega} - \frac{f(y_1)}{2} - \frac{f(-y_1)}{2} - \frac{f$$

$$A(w) = \int_{-\infty}^{\infty} f(x) \cos w x \, dx = 2 \int_{-\infty}^{\pi} \frac{\pi}{2} \cos w x \, dx = \pi x \frac{1}{\omega} \sin \omega x \Big] = \frac{\pi}{\omega} \sin \omega$$

$$F(n) = \frac{1}{\pi} \int_{-\pi}^{\pi} A(\omega) \cos \omega n \, d\omega = \int_{-\pi}^{\infty} \frac{\sin \omega}{\omega} \cos \omega n \, d\omega = \begin{cases} \frac{\pi}{2} & \sin \omega \\ 0 & \sin \omega \end{cases}$$

$$\frac{1}{\sqrt{1+\frac{1}{2}}} = \frac{1}{\sqrt{1+\frac{1}{2}}} = \frac{1}{\sqrt{$$