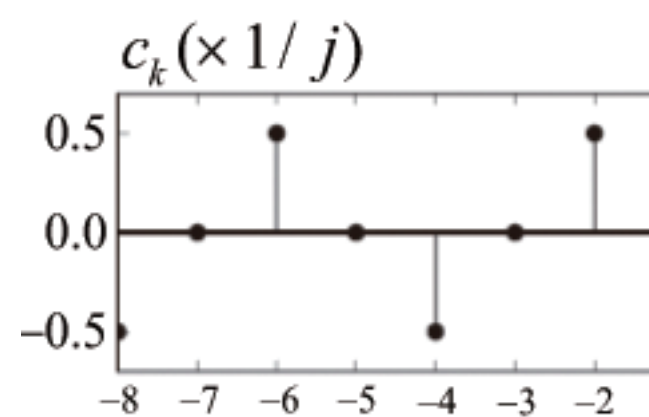


(a)  $\omega_0 = 2\pi / N$ ,  $N = 4$ .



(b)  $\omega_0 = 2m$ .