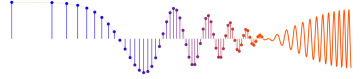**EXERCISE 11.5:** Make a plot in the style of Fig. 11-6 for the signal $x(t) = 1$ and its corresponding Fourier transform $X(j\omega) = 2\pi\delta(\omega)$.

SOLUTION

$$x(t) = 1 \longrightarrow \underline{X}(j\omega) = 2\pi\delta(\omega)$$