6.2-8 Suppose that $X(\Omega)$ is a spectrum bandlimited to $\pi/2$ rad/sample. Find the spectrum of the signal defined by

$$y[n] = \begin{cases} x[n] & n \text{ even} \\ 0 & n \text{ odd} \end{cases}$$

Using some hypothetical (bandlimited) spectrum $X(\Omega)$, sketch the spectrum $Y(\Omega)$.

