Exercises Week 7

DSP

1. Find the DTFT of the signal $\{..., 0, \underset{\uparrow}{1}, 1, 1, 0, 0, ...\}$

   - write the expression of $|X(\omega)|$ and $\angle X(\omega)$
   - what is the signal's spectrum (modulus and phase) at frequency $f = \frac{1}{2}$?