

Discussion problem assignment:

第一题:

2. Find the signal for the following z-transform $X(z)$ and given the fact that the signal has DTFT.

$$X(z) = \frac{1}{(1 + \frac{1}{2}z^{-1})(1 - 2z^{-1})}$$

第二题:

1. Find the poles for the following $X(z)$, then compute the signal $x[n]$.

$$X(z) = \frac{1}{1 - z^{-4}}, |z| > 1$$