1. Let a transform function of a signal be $\frac{1}{1-0.5\bar{z}^1}$ and it's known that the signal is stable. Find the signal.

$$=) f[n] = \left(\frac{1}{2}\right)^n u[n]$$

2. Let a transform function of a signal be $\frac{1}{0.5-\overline{z}^{1}}$ and 7t's known that the signal is stable. Eind the signal.

$$F(z) = \frac{1}{0.5 - \overline{z}^{1}}$$
, $(z | z)$

$$= 2 \cdot \frac{1}{1 - 2\overline{z}^{1}}$$