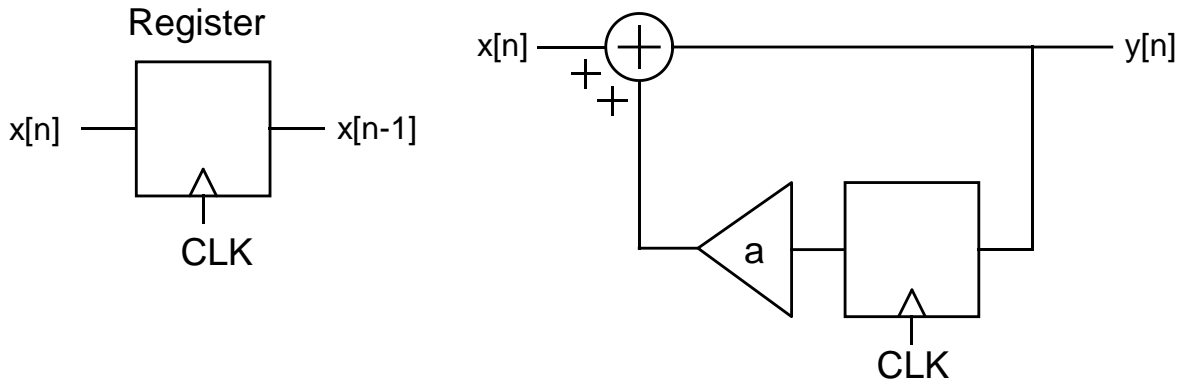
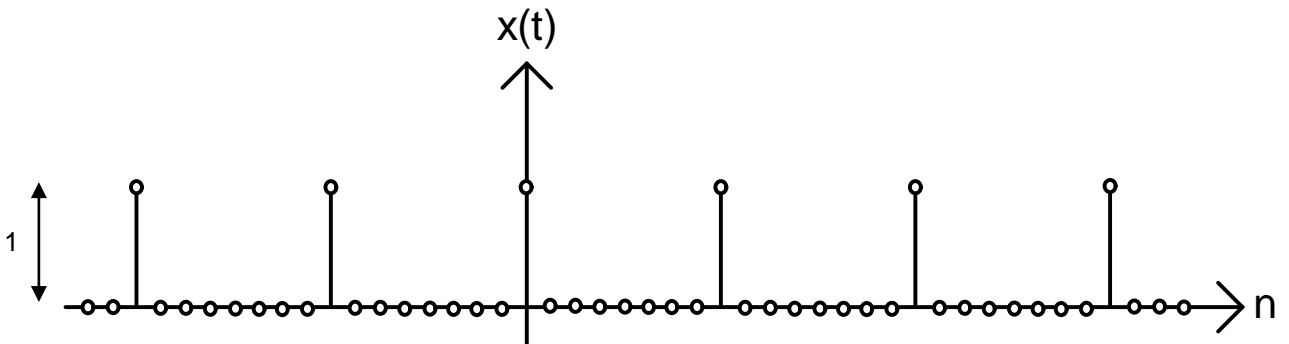


Homework #07



1. Find the difference equation for this feedback system.
2. Find $h[n]$ for $a=0.1$ and $a=0.9$. Plot them in Matlab.
3. Find $H(f)$ for $a=0.1$ and $a=0.9$. Plot them in Matlab.
4. $x[n]$ is a pulse train, please plot $x(t)$ in Matlab.
And please plot $y[n]$ for $a=0.1$ and $a=0.9$ in Matlab.



5. Please discuss the relationship between distortion and a .