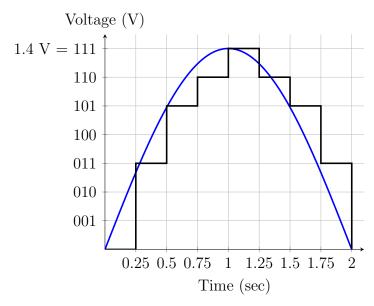
Task 5.2 - ADC

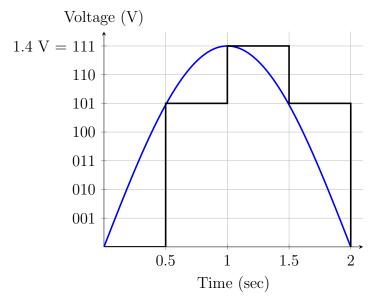
Amin Gamil

1 3-bit encoder with Sampling Time = 0.25sec



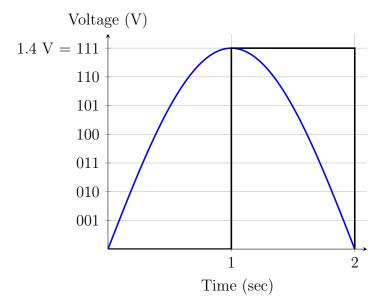
 $\label{eq:decomposition} \mbox{Digital sequence} = 000 \ 011 \ 101 \ 110 \ 111 \ 110 \ 101 \ 011$

2 3-bit encoder with Sampling Time = 0.5sec



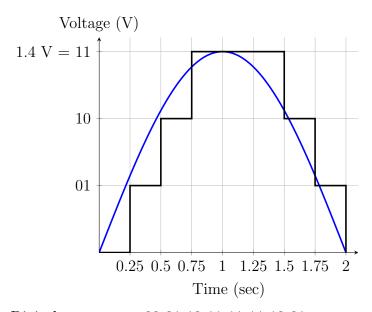
Digital sequence = $000\ 101\ 111\ 101$

3 3-bit encoder with Sampling Time = 1sec



Digital sequence = 000 111

4 2-bit encoder with Sampling Time = 0.25sec



Digital sequence $= 00 \ 01 \ 10 \ 11 \ 11 \ 11 \ 10 \ 01$