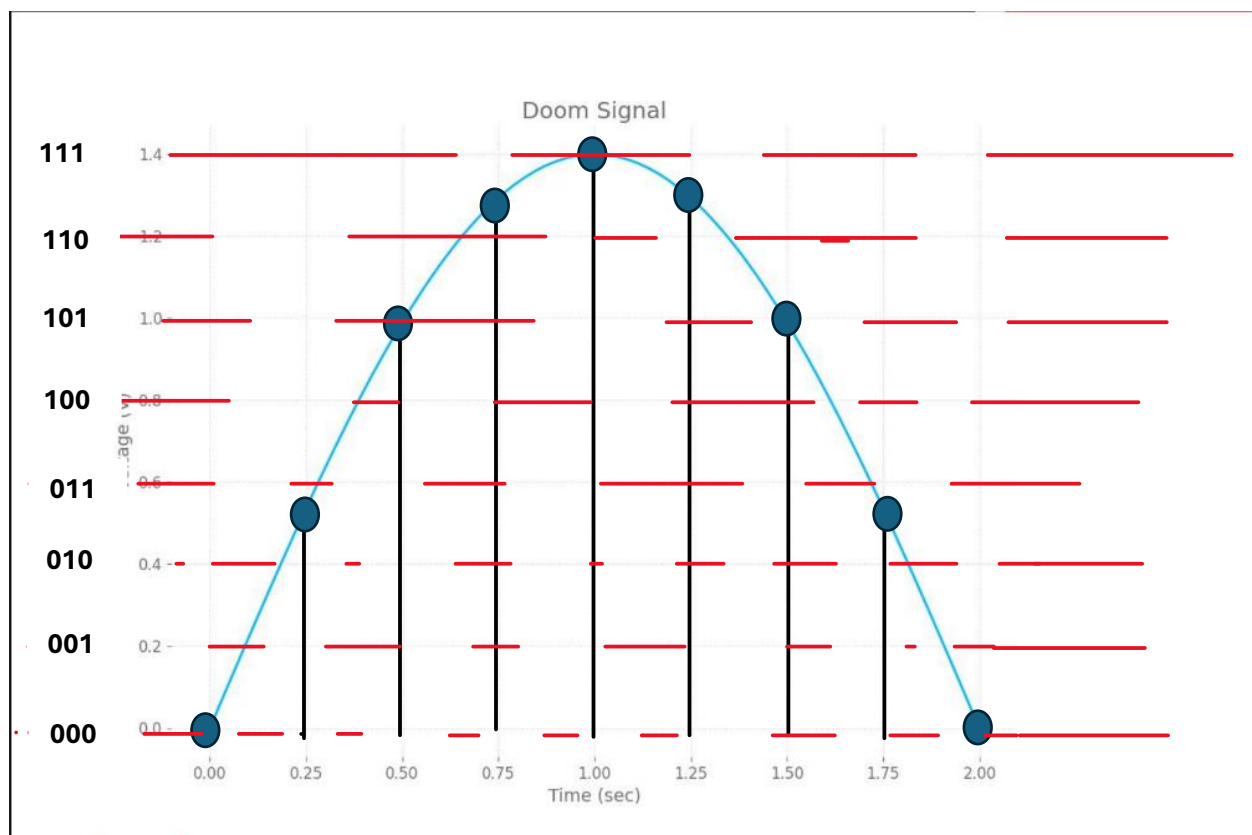


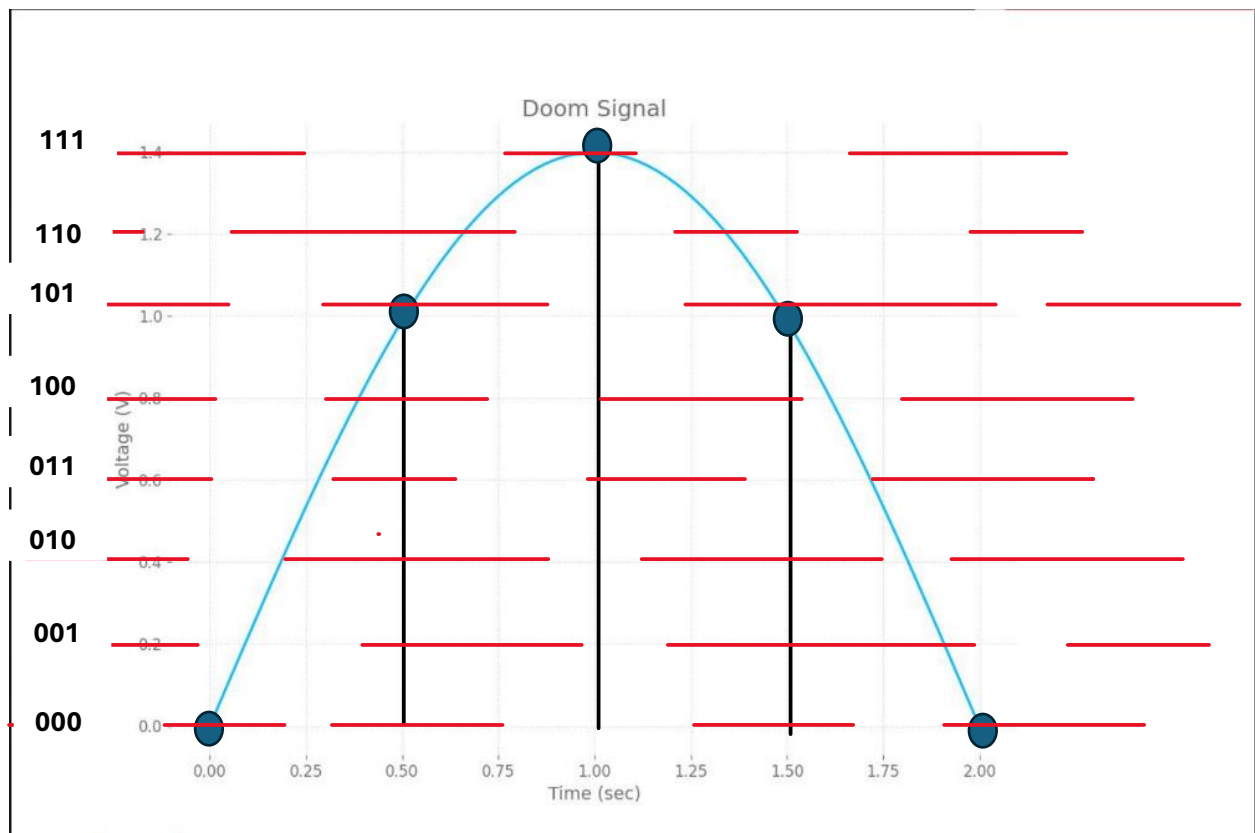
Task 5.2

- 3-bit encoder with Sampling Time = 0.25sec



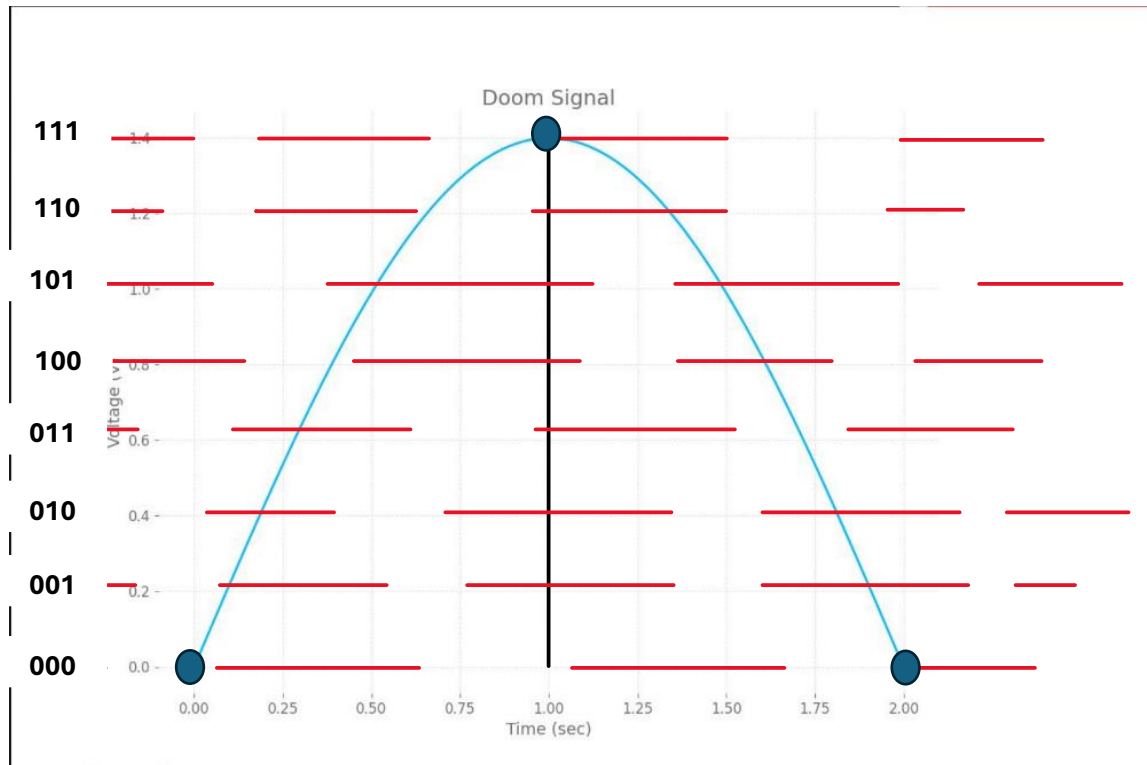
000 010 101 110 111 110 101 010 000

- 3-bit encoder with Sampling Time = 0.5sec



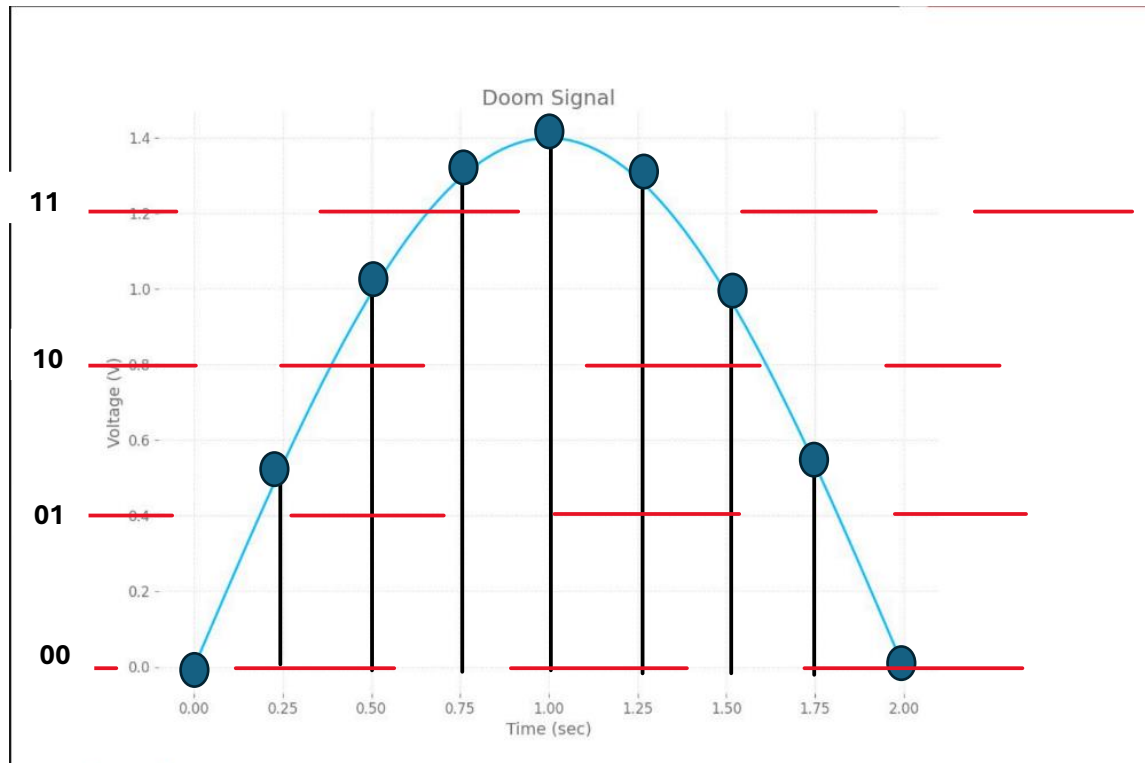
000 101 111 101 000

- 3-bit encoder with Sampling Time = 1sec



000 111 000

- bit encoder with Sampling Time = 0.25sec



00 01 10 11 11 11 01 10 00

Conclusion:

- Increasing the accuracy can be done by:
 - Increase number of quantizing levels.
 - Increase number of time intervals.

But this increases the bandwidth and increases memory usage.