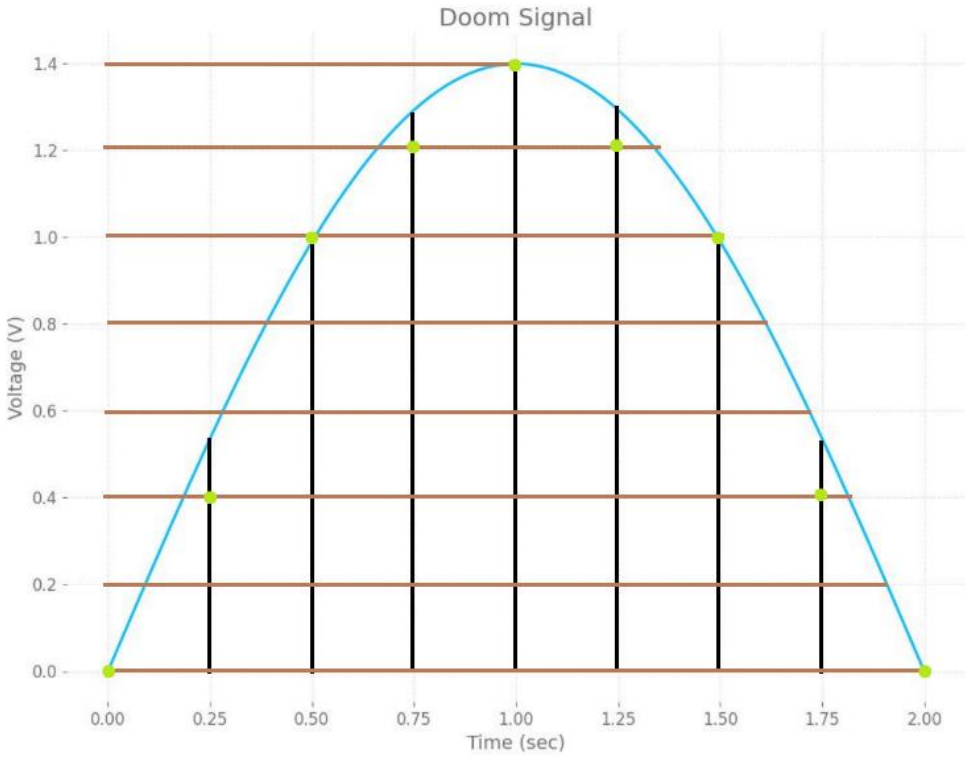
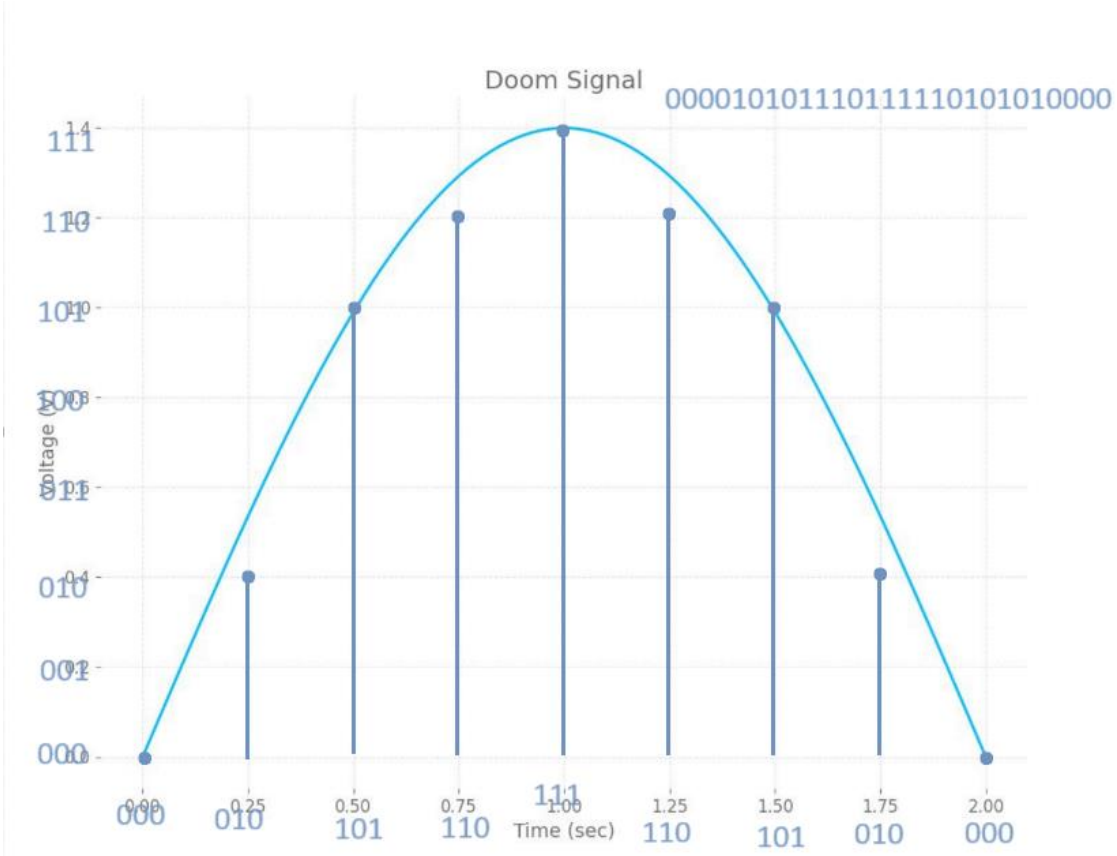
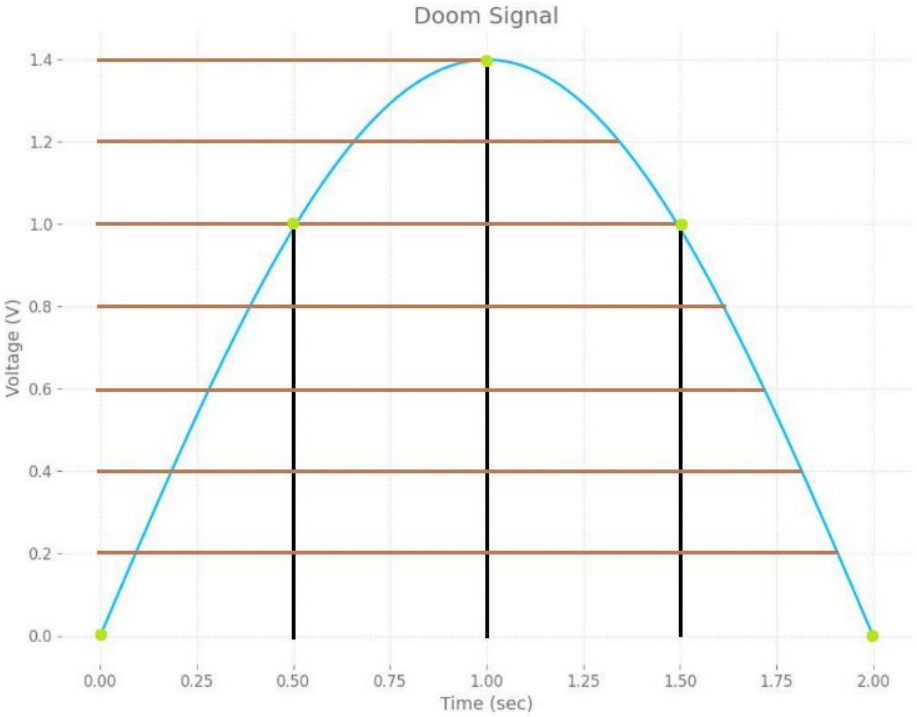
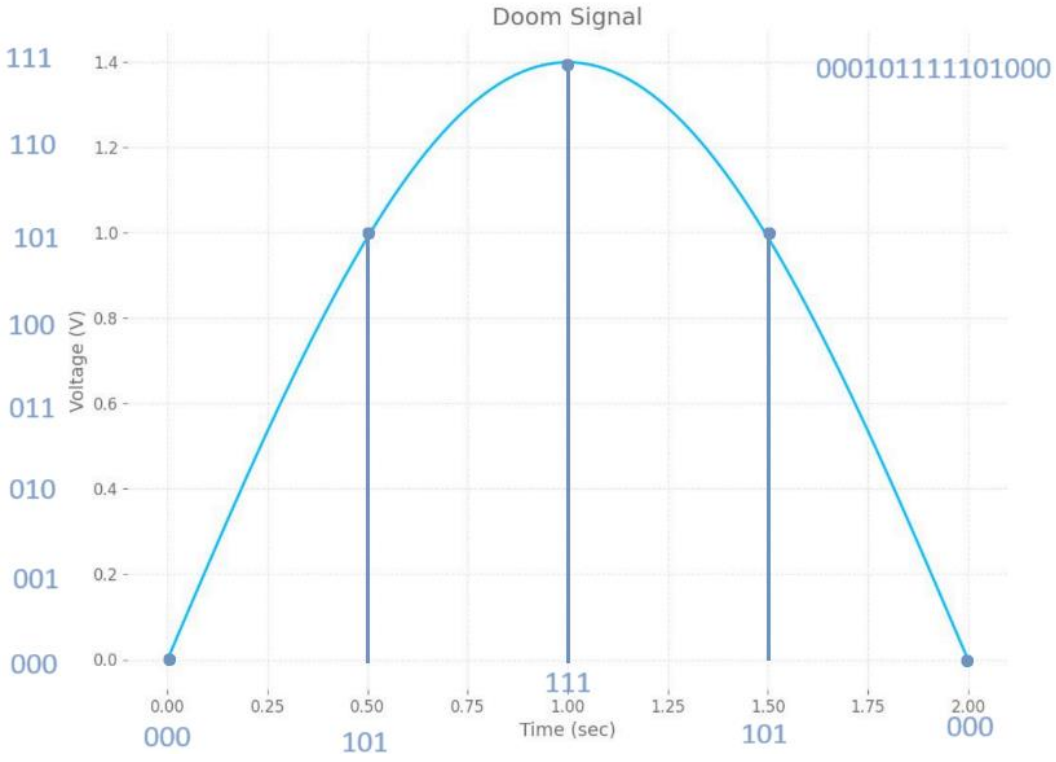
3-bit encoder with Sampling Time = 0.25sec


Doom Signal
Voltage (V)
Time (sec)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00

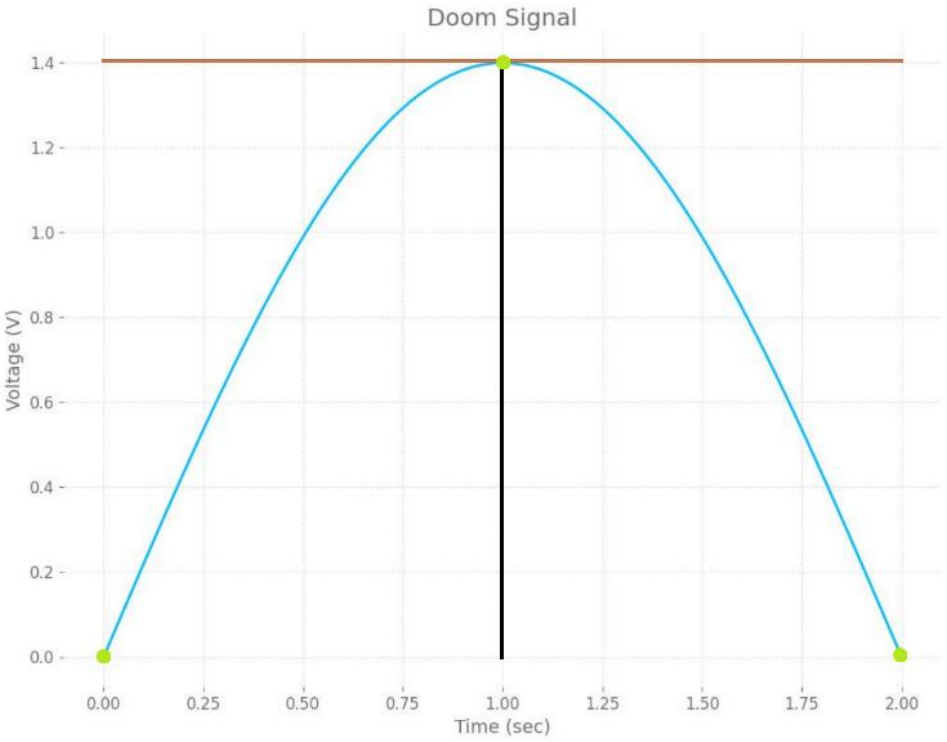

Doom Signal
00001010111011111010101000
Time (sec)
000
010
101
110
111
110
101
010
000

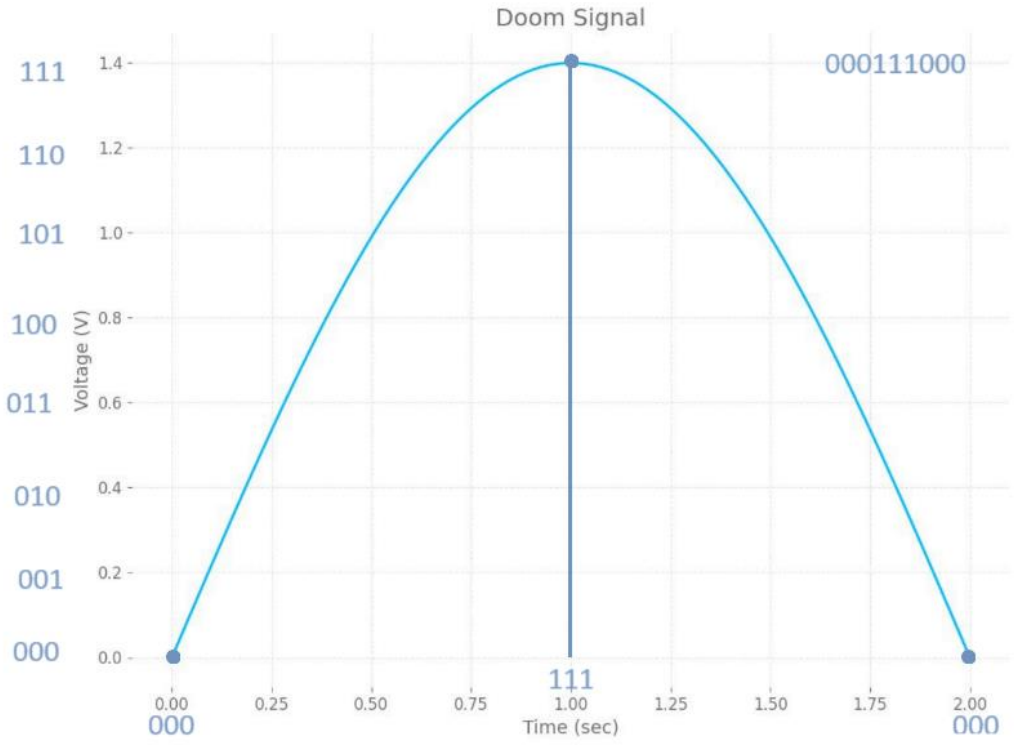
3-bit encoder with Sampling Time = 0.5sec


Doom Signal
Voltage (V)
Time (sec)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00

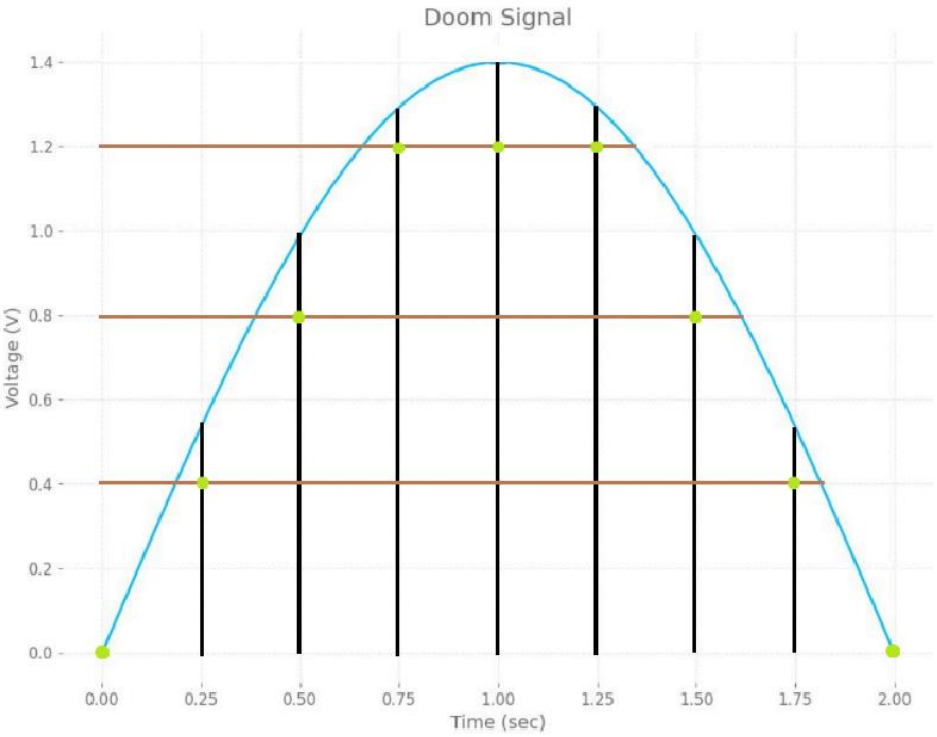

Doom Signal
000101111101000
111
110
101
100
011
010
001
000
Voltage (V)
Time (sec)
000
101
111
101
000

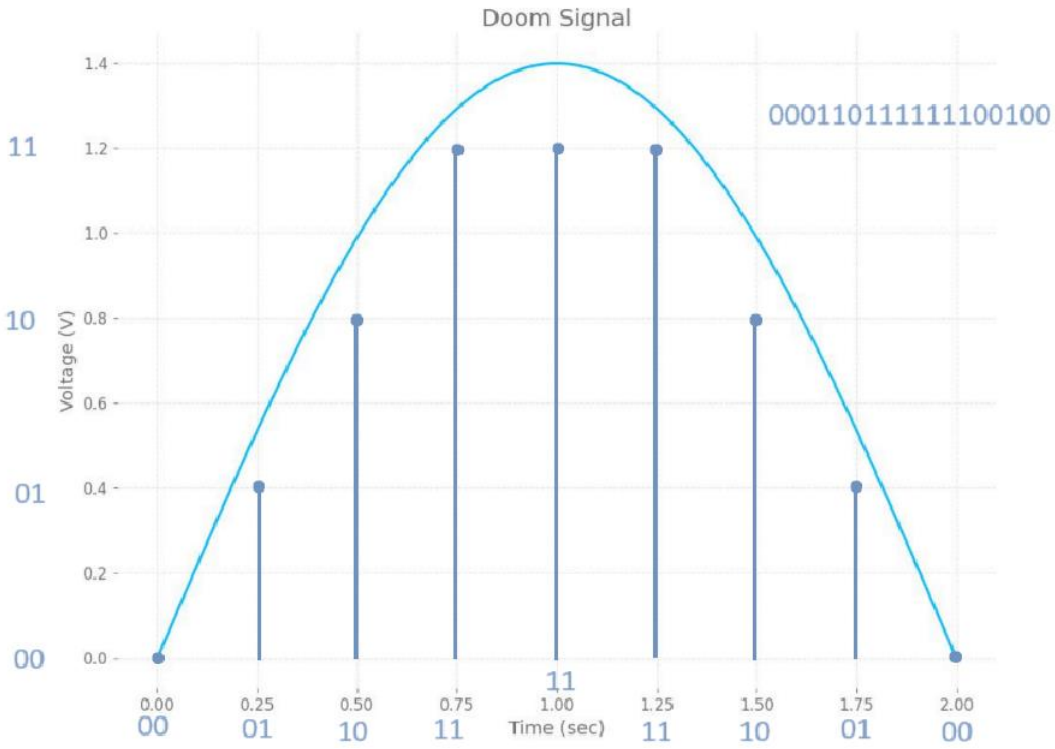
3-bit encoder with Sampling Time = 1sec


Doom Signal
Voltage (V)
Time (sec)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00


Doom Signal
000111000
111
000
111
000
Voltage (V)
Time (sec)
111
110
101
100
011
010
001
000
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00

2-bit encoder with Sampling Time = 0.25sec


Doom Signal
Voltage (V)
Time (sec)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00


Doom Signal
0001101111111100100
Voltage (V)
Time (sec)
11
10
01
00
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
00
01
10
11
11
11
10
01
00