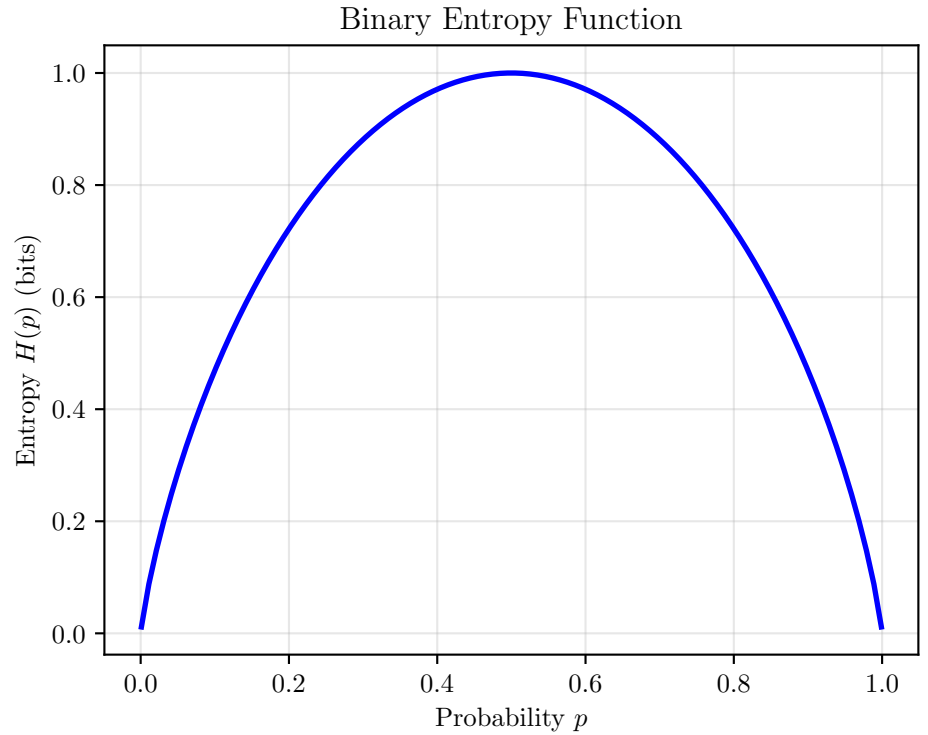
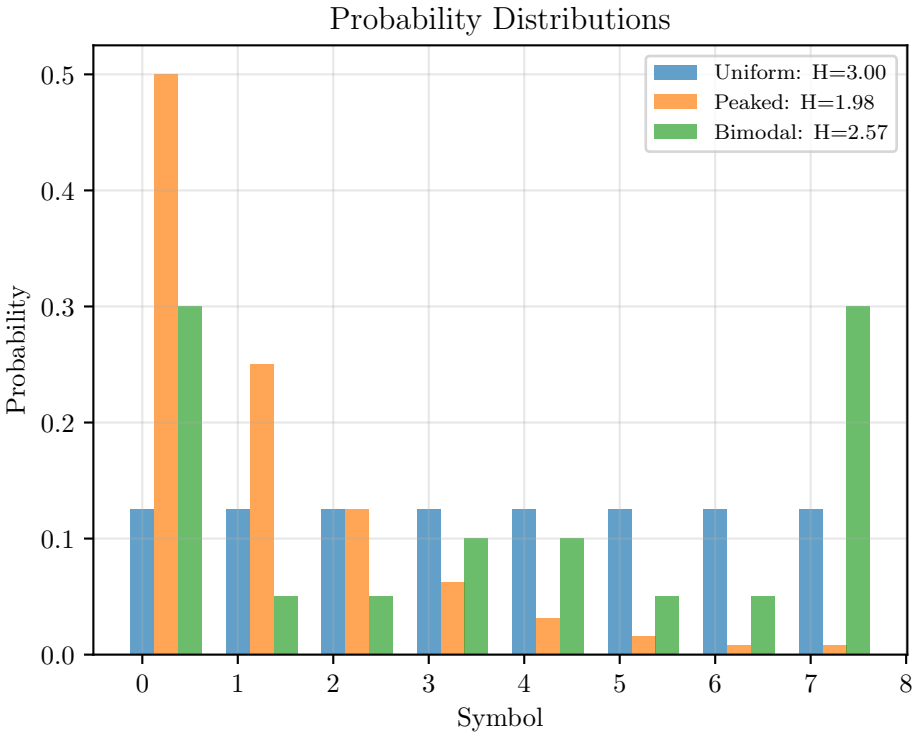
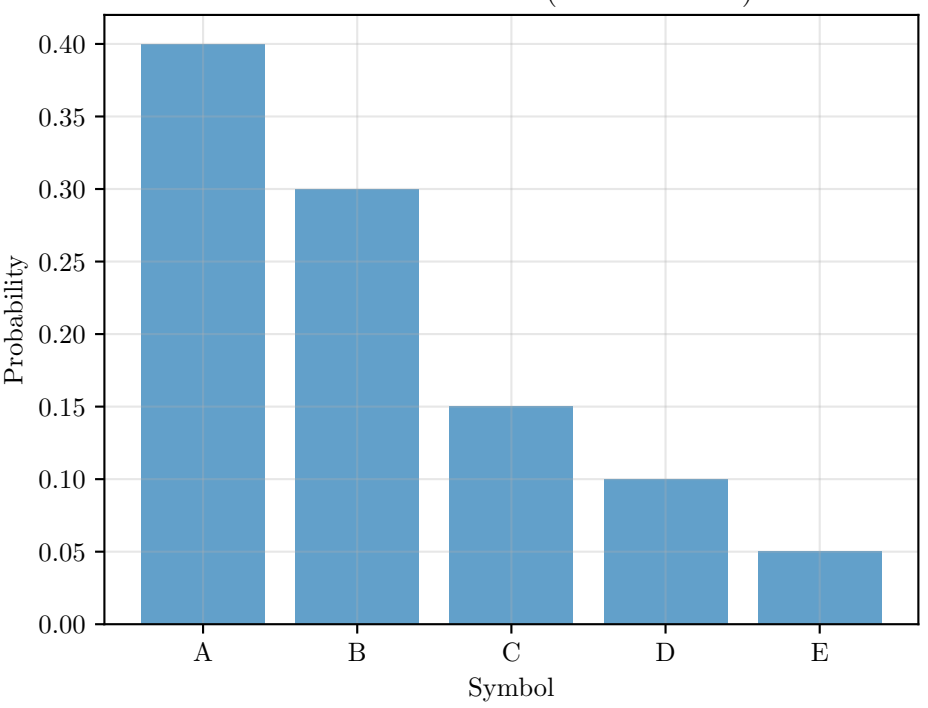
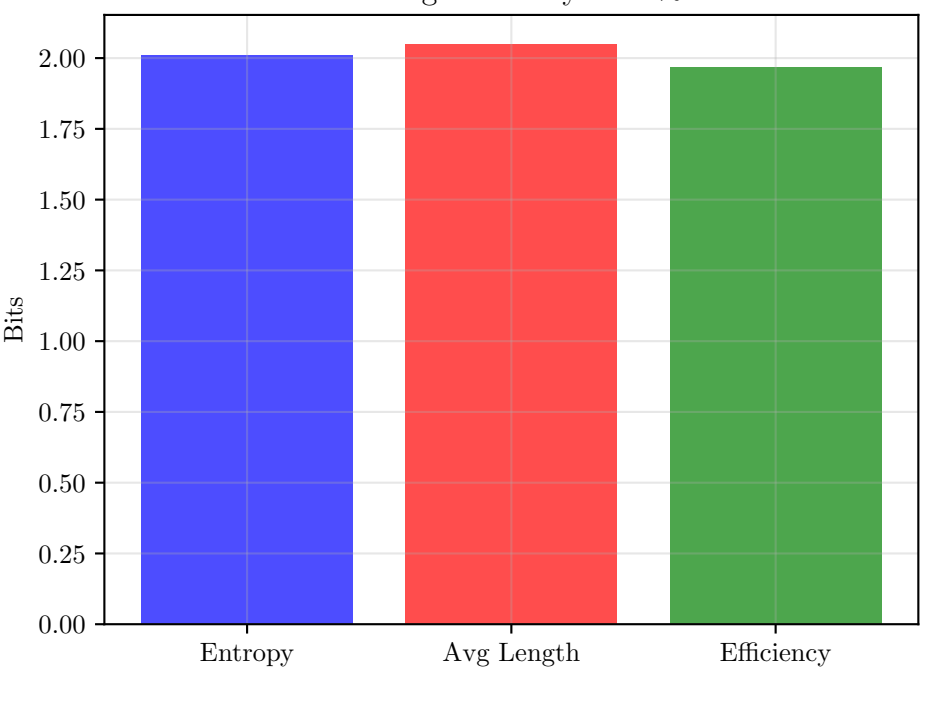

Binary Entropy Function
Entropy $H(p)$ (bits)
Probability p
0.0
0.2
0.4
0.6
0.8
1.0


Probability Distributions
Uniform: H=3.00
Peaked: H=1.98
Bimodal: H=2.57
Probability
Symbol
0.0
0.1
0.2
0.3
0.4
0.5
0 1 2 3 4 5 6 7 8


Source Distribution (H = 2.01 bits)
Probability
Symbol
A
B
C
D
E
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40


Coding Efficiency: 98.0%
Bits
Entropy
Avg Length
Efficiency
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00