Sécurité des SI – Série 2
Partial correction

2. Entropy computation

H(P) = 1.35 H(K) = 1.58 H(C) = 2.13

H(P | C = 1) = 0.87 H(P | C = 2) = 0.72 H(P | C = 3) = 0.87

H(P | C = 4) = 0.95 H(P | C = 5) = 0

H(P | C) = 0.80

3. Huffman Code of english language

a 0001	j 110110101	s 1000
b 001111	k 1101100	t 111
c 10110	l 00001	u 10111
d 00000	m 11000	v 110111
e 011	n 0101	w 11001
f 11010	o 0010	x 110110100
g 001100	p 001110	y 001101
h 1001	q 110110110	z 110110111
i 0100	r 1010	

code length : 4.2058

entropy : 4.176234076308164