מבוא להצפנה – תרגיל 2

.1

.a

```
b. [0, 1, 2, 2, 1, 2, 2, 1, 0, 2, 2, 1, 2, 1, 1]
       [0, 1, 2, 2, 1, 2, 2, 1, 0, 2, 2, 1, 2, 1, 1]
d. for 2 we have 3 equal elements (Adjustments)
e.
          [0, 1, 2, 2, 1, 2, 2, 1, 0, 2, 2, 1, 2, 1, 1]
f. for 3 we have 7 equal elements (Adjustments)
             [0, 1, 2, 2, 1, 2, 2, 1, 0, 2, 2, 1, 2, 1, 1]
h. for 4 we have 4 equal elements (Adjustments)
j. ===============
k. A1 = [0.7, 0.2, 0.1]
1. A2 = [0.1, 0.7, 0.2]
m. A3 = [0.2, 0.1, 0.7]
p. The key of the first letter:
r. The first of the blocks are: [0, 2, 2, 2, 2]
s. The Vector of the frequencies of the first letter is: V1 =
  [0.2, 0.0, 0.8]
t. Now we will calculate the dot products of the matrix V1 with
  the matrix A1, A2, A3
u. A1V1 = 0.22
v. A2V1 = 0.180000000000000002
w. A3V1 = 0.6
x. The maximal value is for i = 2 and the key of the first letter
  is: 2
aa. The key of the second letter:
cc. The second of the blocks are: [1, 1, 1, 2, 1]
dd. The Vector of the frequencies of the second letter is: V2 =
  [0.0, 0.8, 0.2]
ee. Now we will calculate the dot products of the matrix V2 with
  the matrix A1, A2, A3
ff.A1V2 = 0.180000000000000000
gg.A2V2 = 0.6
hh.A3V2 = 0.22
ii. The maximal value is for i = 1 and the key of the second
  letter is: 1
kk. The key of the third letter:
11.
mm. The third of the blocks are: [2, 2, 0, 1, 1]
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