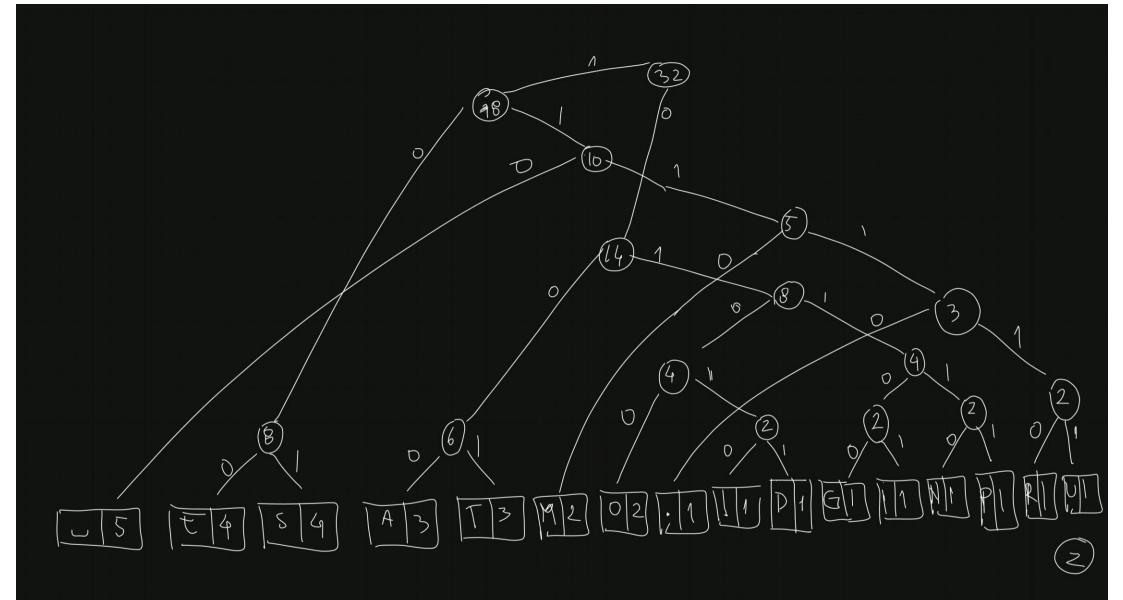
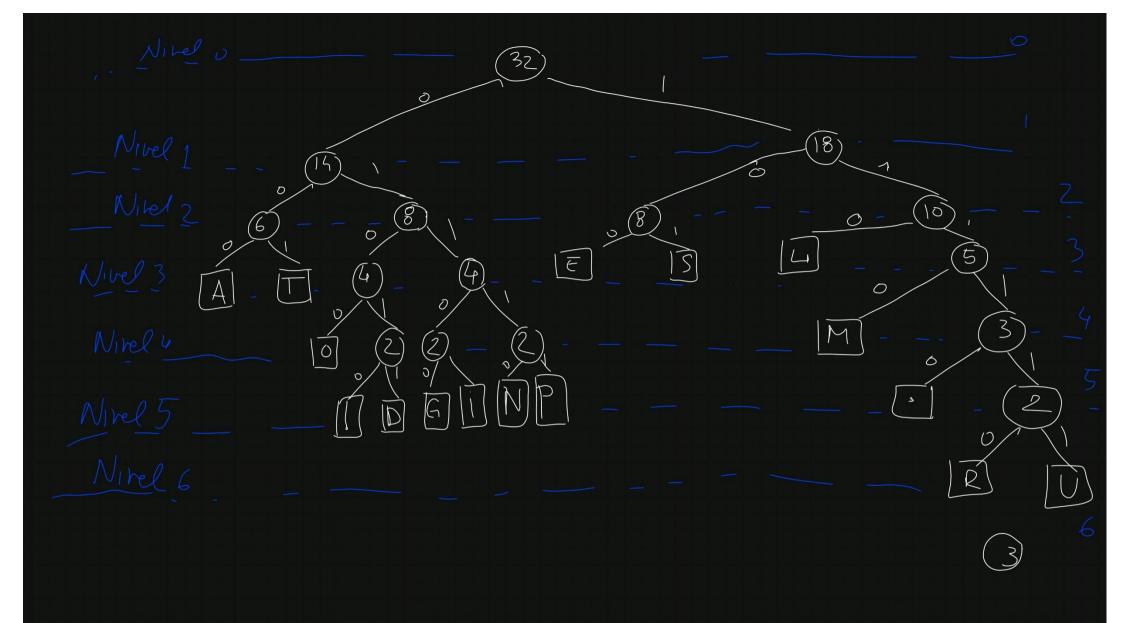
Huffmon - Algoritm de compresia datelor "AEGROTO DUM ANIMA EST, SPES EST!" 1. A = G R O T D U M N I S , P I N10) 3 4 1 1 2 3 5 1 1 2 1 1 4 1 1 2 A° prece = 5 A T M O, 1 D G I N P R U Mn) 5 4 4 3 3 2 2 1 1 1 1 1 1 1 1 3. M(n) - frechente de aparité. - ordonare descrescituare dupôl N(1) - dows pt un N(1) sunt moi melle simbolini atunci pl acel N(1) se ordoneath alfotetic (coduri ASCII) 065

1





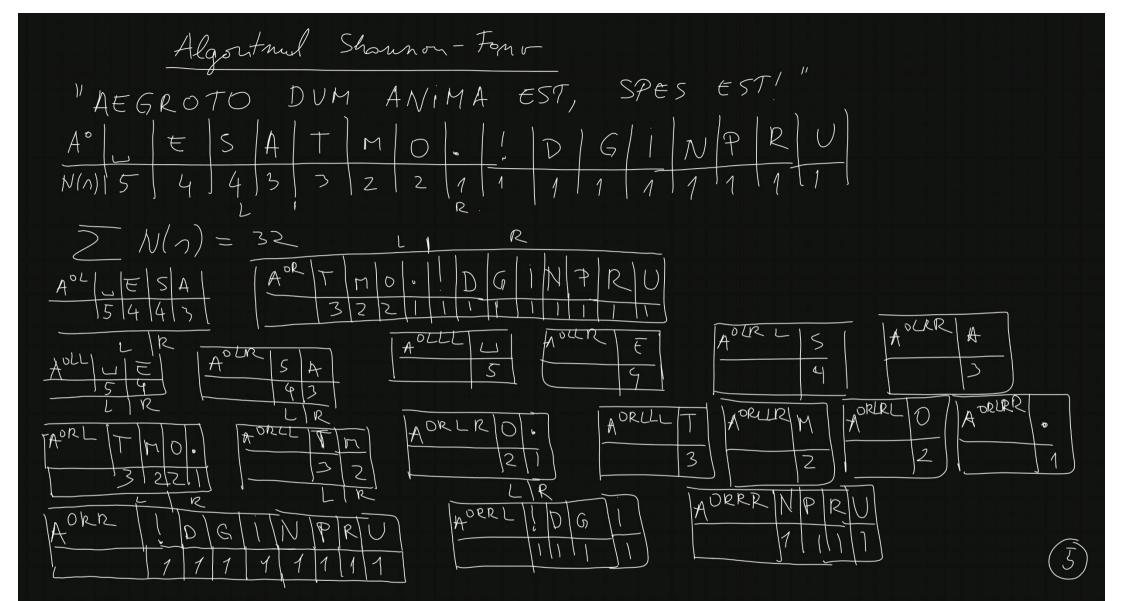
$$V = 1 - \frac{C}{\sigma}$$
 Rata de compresse.

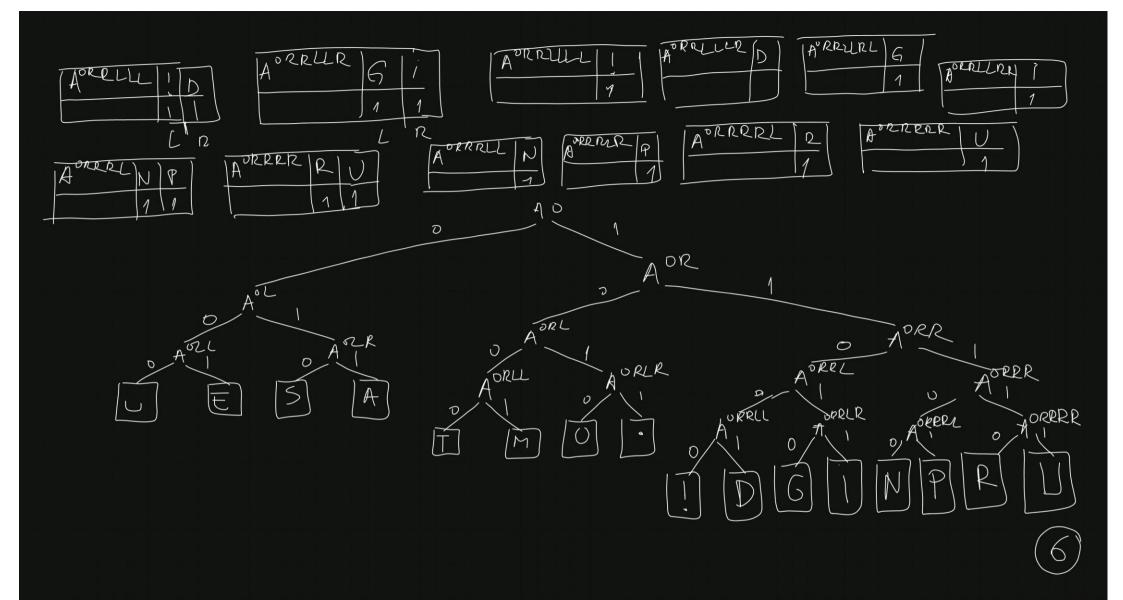
C- nr de bih necesari pt représentance textului compriment ./DG/N7 0- nocompriment ? RV

 $C = \sum_{i=1}^{n} N(i) \cdot Nn hh(i) = 5 \cdot 3 + 4 \cdot 3 + 4 \cdot 3 + 3 \cdot 3 + 3 \cdot 3 + 2 \cdot 4 + 2 \cdot 4 + 7 \cdot 5 + 2 \cdot 6 = |20|$

n-m de simbolius districte $0 = \sum_{i=1}^{n} N(i) \cdot 8 = 32 \cdot 8 = 256$

$$\gamma = 0.53 \approx 53 / 1$$





$$=1-\frac{5}{6}$$

$$C = \sum_{i=1}^{n} N(i) N_{i} bid(i) = 5 \cdot 3 + 4 \cdot 3 + 4 \cdot 3 + 3 \cdot 3 + 3 \cdot 4 + 2 \cdot 4 + 2 \cdot 4 + 1 \cdot 4 + 8 \cdot 5 = 120$$

n-nr de simboluri distructe

n = 16

$$0 = \sum_{i=1}^{\infty} N(i) 8 = 32.8 = 256$$

$$\gamma = 1 - \frac{120}{256} = 0.53$$

 $\widehat{7}$