

Binary string

0010101110111011010001011100010001...

43 118 144 17 ...

BNF grammar

(A) $\langle \text{Seq} \rangle ::= \langle \text{vowel} \rangle \quad (0)$
 $| \langle \text{Seq} \rangle \langle \text{vowel} \rangle \quad (1)$

(B) $\langle \text{vowel} \rangle ::= A \quad (0)$
 $| E \quad (1)$
 $| I \quad (2)$
 $| O \quad (3)$
 $| U \quad (4)$

$\langle \text{Seq} \rangle$

$\langle \text{Seq} \rangle \langle \text{vowel} \rangle$

$\langle \text{vowel} \rangle \langle \text{vowel} \rangle$

U $\langle \text{vowel} \rangle$

U I

$$43 \% 2 = 1$$

$$118 \% 2 = 0$$

$$144 \% 5 = 4$$

$$17 \% 5 = 2$$