

$$A \rightarrow 00 \quad a \neq A$$

$$2 \rightarrow 25$$

$$A \rightarrow 65 \rightarrow \begin{array}{ccccccc} 0 & 1 & 0 & 0 & 0 & 0 & 1 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 7 & 6 & 5 & 4 & 3 & 2 & 1 & 0 \end{array}$$

$$0 \text{ --- } 255$$

$$\left\{ \begin{array}{cccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ \hline 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right.$$

1819 y 1415.

S

18

T

19

O

14

P

15



18

19

14

15

2537

Z

25

Z

25

Z

25

Z

25

$$2525 < 2537$$

$$q^p \bmod p$$

$$p \nmid p, m, q$$

$$q \neq p$$

$$\left. \begin{array}{l} 1819^{13} \bmod 2537 = 0 \dots 2536 \\ 1415^{13} \bmod 2537 = 0 \dots 2536 \end{array} \right\}$$

$$\textcircled{0} \text{ invro } 13 \bmod 2436$$

$$13 \times d \equiv 1 \bmod 2436$$

$$2081^{913} \bmod 2537$$

$$2182^{913} \bmod 2537$$

2 0, 1
 3 0, 1, 2
 4 0, 1, 2, 3
 8
 10 0, ..., 9
 11 0, ..., 9, A
 16 0, ..., 9, A, B, ..., F

15
 1 1 1 1

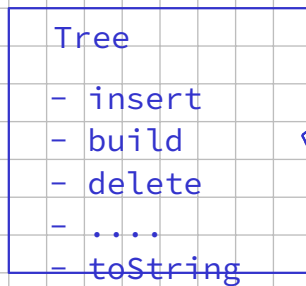
15 3
 0 5 3
 2 1
 120

1 1 1 1
 $2^3 2^2 2^1 2^0$

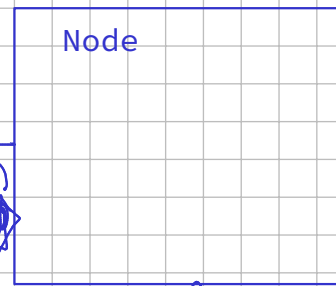
$$8 + 4 + 2 + 1 = 15$$

1
 01001000

$$\begin{aligned}
 48_{16} &= 4 \times 16^1 + 8 \times 16^0 \\
 &= 64 + 8 = 72
 \end{aligned}$$

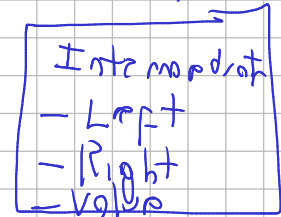
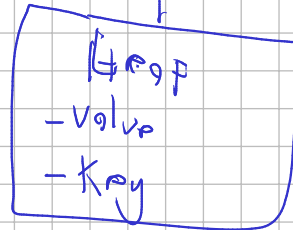


Compuesto
por nod



Tree
Node root

Operaciones de tree
son sobre el árbol
EN el caso de Huffman
* construir el árbol
* obtener código



Esto es un ejemplo
recordar en los TADS
- representación: Recorridos
- operaciones binarias (currificiadas)

Heap -> Arbol