



→ Canonical Huffman Code:

huf

1	2	3	4
0	2	3	2

Symb

1	2	3	4
	f	c	a
	e	g	b
		d	

fc

1	2	3	4
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2	2	1	0
---	---	---	---

Si usano  $fc$  e  $Symb$   
Sequenza:

10001011011100

Decode 3 symbols

→  $V = 1$      $l = 1$

$V < fc[l]$  Si

$l++$

$V = 2 \cdot V + nextbit$

$V = 2 + 0 = 2$

$V = 2$      $l = 2$

$V < fc[l]$  NO

Vado in  $Symb[2, 2 - 2] = [2, 0]$

$$10 = 7$$

$$\rightarrow V = \emptyset \quad l = 1$$

$$V < fc[l] \quad Si$$

$$l++$$

$$V = \emptyset$$

$$V = \emptyset \quad l = 2$$

$$V < fc[2] \quad Si$$

$$V = 1$$

$$l++$$

$$V = 1 \quad l = 3$$

$$1 < fc[3] \quad No$$

$$001 = Symb[3, 1-1] = [3, 0]$$

$$001 = C$$

$$\rightarrow V = \emptyset \quad l = 1$$

$$V < fc[1] \quad Si$$

$$V = 1 \quad l = 2$$

$$V < f_c[2] \quad \text{Si}$$

$$V = 3 \quad l = 3$$

$$V < f_c[3] \quad \text{NO}$$

$$\text{Symb}[3, 3-1] = [3, 2]$$

$$\odot 11 = a$$