

INPUT $\xrightarrow{RFL}$ OUTPUT

f/ACT

$\langle P, I \rangle \xrightarrow{\quad} \text{yes/no}$

ASSUMPTIONO CONSISTENZA di una PROCEDURA
 $\text{halt check}(P, i) \rightarrow \text{bool}$

```
def reverse(P)
  halts = halt checker(P, P)
  if halts
    while (true)
      else
        pass
```

} code Reverse

reverse (code Reverse)

- STOP: $\rightarrow$ X
- LOOP: $\rightarrow$ X

PATH

HC

Um conjunto

$$\Sigma = \{a, b, c, \dots\} \quad 0, 1 \quad \square \triangle \bigcirc \infty$$

$$x \text{ OVER } \Sigma \quad \Sigma^*$$

T O R T A

T ~~A~~ R T A

$$L \subseteq \Sigma^*$$

DECIDERE L significa

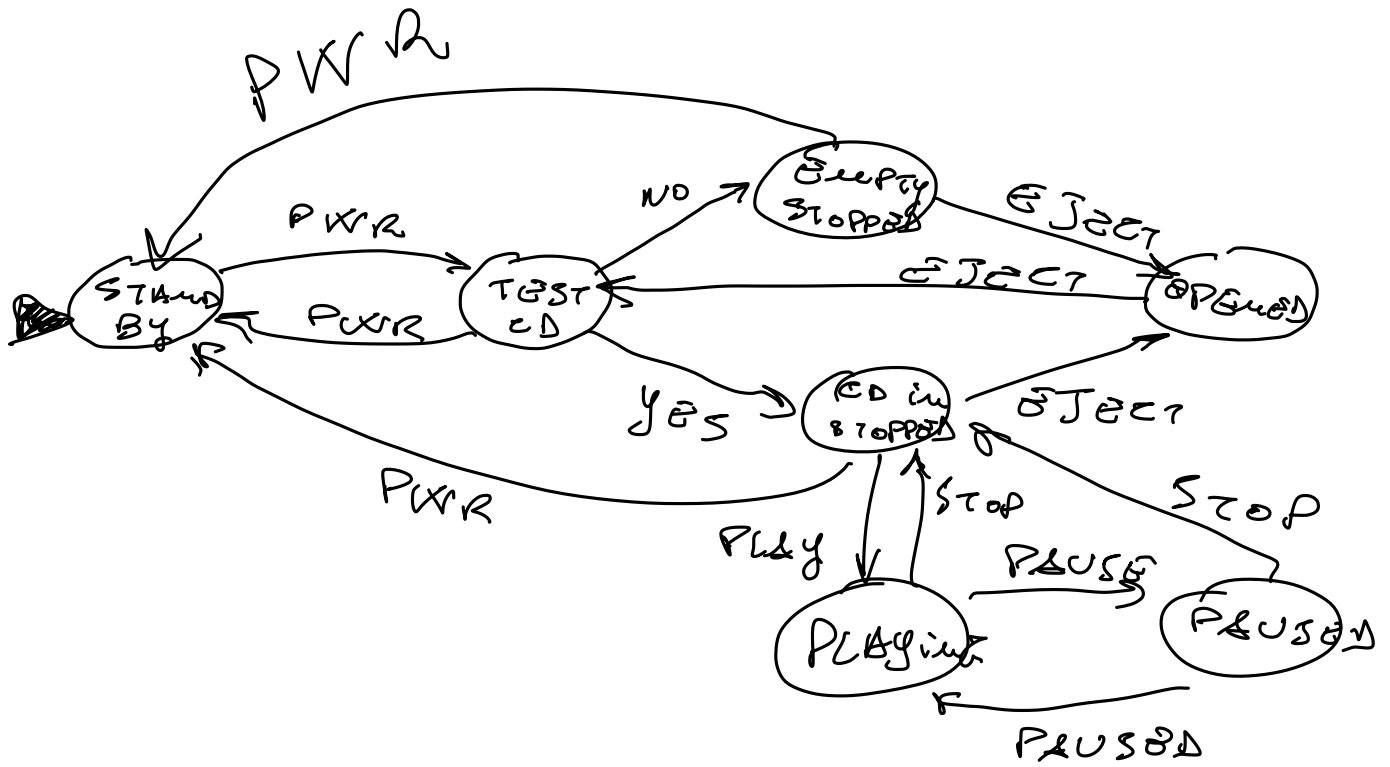
DADA uma stringa $w \in \Sigma^*$

DECIDER se $w \in L$

PROBLEMA PATH

$$\langle f, s, t \rangle \longrightarrow \text{yes/no}$$

$$L_P = \{ \langle f, s, t \rangle \mid f \text{ é um grafo, } s, t \text{ são nós de } f, \text{ e existe um PATH de } s \text{ at } \text{in } f \}$$

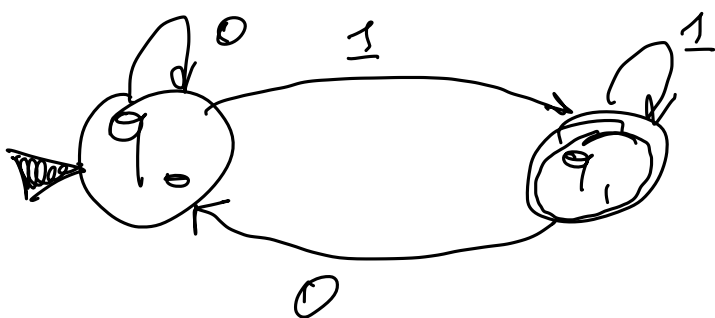


L = Menge aller strings Binär
 und repräsentieren in natürlicher
 Dispari

$$\Sigma = \{0, 1\}$$

$$\Sigma^* = \{\epsilon, 0, 1, 00, 01, 10, 11, 000, \dots\}$$

$$L \subseteq \Sigma^*$$



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