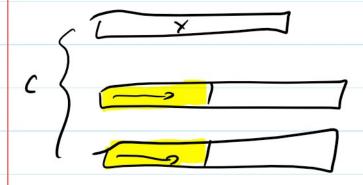
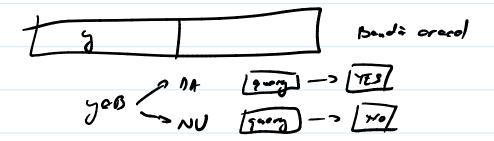
PSPACE =
$$\begin{cases} A & \text{px.sl} = \text{q.m.T. M.} = \text{n.i.} \\ L(\Pi) = A & \text{si. } \neq \times \end{cases}$$

$$Spece_{m}(x) = O(|x|^{4}) \quad \text{κ > 0}$$





1 grong



Jimelez orocolul on M, Jimelez mosiro M on M2

PSPACE MPSPACE ??

Paspars NPSPACE = PSPACE

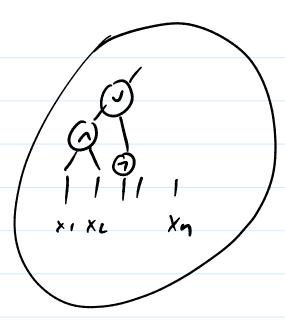
Motiv (F) (SAVITCH) Fix A a probleme de decizie come prote fi vez. de a mastré Thing ned core pe x foloseste spetum & 3(1X) exists o M.T determinists 171 cm decide A 9: M'IX) jalososte spetin & 52/1X) DEE DET Graful aviented al config masinii M/x) init(x) -> receptly 1V/= 0/ et s/x1) Aly an comploxitate spotin O(B(x))?)

A / 3 M.T neoletonneriste M a.i. M= L/A)

+ × spetiul m/x) = O/ log/x1)/

a ×

Circuite booleine



nu se annesto o fundie booleani foisons -> [0,1] -> [0,1]
care si necesite un circuit boolean auzu² porti

PARITY $[x_1, \dots, x_n] = \begin{cases} 1 & x_1 \oplus x_2 - \dots \oplus x_n = 1 \\ 0 & x_n \oplus \dots & \dots \end{cases}$

Na julom celcula PARITYA a circulte holsens ai.

- adarime unui cironit & k

- 4 porti & poly (n)

- chiar det dan voir 1 vole

orien artote.

 $mon | x_1, \dots x_n | = \begin{cases} 1 & \exists x_i \equiv o | mod | q \\ 0 & a | He | \end{cases}$

Mu stim a astfel de circuite badeene

un pot calanta GDF

Unde se aplica complexitates?

(1) Criptografie