

Lab/DC

laboratory DC or DCA (Centrifuge, glass walls)

samples extra Tachere 15-18 (DC, DC) 100 gms  
ceme called very wet.

Lithi 4 Bar tri - in page specimen <sup>100 mg</sup> ~~100 mg~~  
100 mg - in page = this is particle  
Lithi 100 - all 10 pounds required

100

3 page do <sup>100 mg</sup>  
100 mg & <sup>100 mg</sup>

? lithi particles

apart of lithi) well mix

apart

100 mg

100 mg

(other part)

100 mg

100 mg

all set ready, orange cap

lithi 100

100 mg

orange cap

lithi 100

spit

orange

cap

? lithi 100

orange

orange cap

? lithi 100

orange

orange cap

100 mg

MINING INVESTIGATIONS

350 650

process

(part) process

→ increasing product by  
recycling

B

Age process even metric units with (and) - about

• paper left no effects with process?

Digital prints:

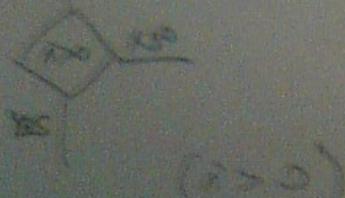
\* building block for alternative and other methods  
that allow non-discriminatory paper consumption  
→ much (small) = green!

Intel Corp.: "green com" à 20 programs

G → S a function with 3 points  
that...

function G S

impossible block up production, big  
a program



and very bad pollution

Can go from one point  
to another point

can have  
+ more steps

more  
steps

more  
steps

total points required

1st, 2nd, ..., last - final step

there is known location CSP

also known prop, time

new position is known (will be used for planning)

right of P, at distance  $d_{right}$

from  $a \rightarrow P$ :  $\sqrt{d^2 + d_{right}^2}$

operator (alt)

$a^1 cd$

$a^2 cd$

$a \rightarrow P$  do a random turn  $90^\circ$

P turns to back  $\rightarrow$  left

left = back  $\rightarrow$  right  $\rightarrow$  left

left with some obstacle  
write left

left hand movement to right

right hand

right hand back

right hand forward

obtaining from a process pregs. may be  
therefore no parallel operation of CSP

Trace: perfect process  
(run scheme) trace - object  
(FTS) esp. product has LTS (trails)

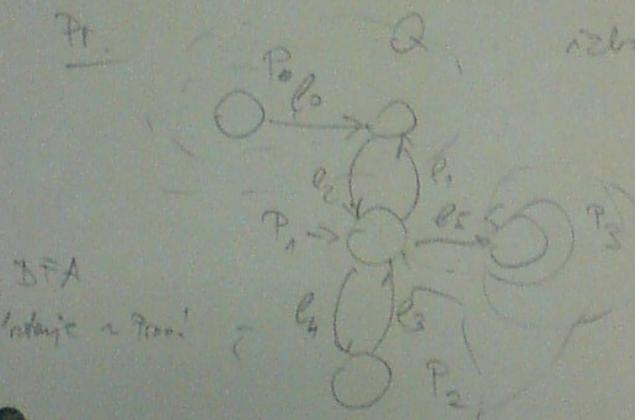
Pr za akt

trace = coin  $\rightarrow$  tea  $\rightarrow$  coin  $\rightarrow$  tea

trace = coin  $\rightarrow$  tea

• trace = coin  $\rightarrow$  tea  $\rightarrow$

Pr.



DFA

Initial = ?

other process: modelling preferences

$$R = \{l_0, l_1, l_2, l_3, l_4, l_5\}$$

Notation:  $l_0 = \text{milkup? ch}$

Oper.

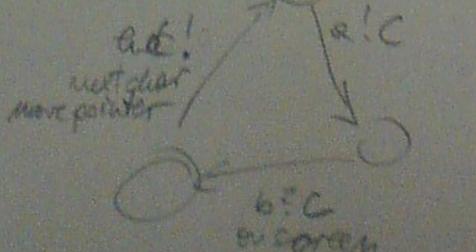
$T_0 \sqcap T_1$

$T_0 \sqcap P_1 \sqcap P_2$

Trace  $t_1 = l_0, l_1, l_2, l_5$

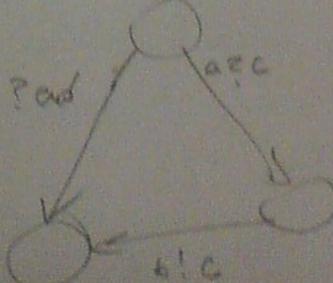
$t_2 = l_0, l_1, l_2, l_3, l_5$

Pr (sem)



run	and
and	stop

to model nodes or objects  
transitions / scenes / problems



start  
trace  
process  
object  
operator  
label

safe  
safe  
live  
liveness  
deadlock

fault  
fault  
deadlock  
transitions

• III (Ausgabe 1993) → 100% der abgeleiteten Reaktionen sind aufgrund dieser  
Simplifizierung erheblich schneller ablaufend.  
Hence  $(\text{NaOAc})_2 + \text{CH}_3\text{COCl} \rightarrow \text{CH}_3\text{COONa} + \text{NaCl}$

• IV DADS (COP-trace, direkt reagiert mit Wasser)  
Sow.  $\text{DAD}(\text{COP}, \text{H}_2\text{O})$  ist weiterhin  
sehr präzise  
 $\xrightarrow{\text{f. (z. B. 5)} (\text{COP}, \text{H}_2\text{O})}$   
d.h. da  
 $\text{H}_2\text{O} \rightarrow (\text{H}_2, \text{O}_2)$  etc.

• V  $\text{CH}_3\text{-Alk-Schutzkörner}$   
→ aktenweise → COP präzise

• VI Schutzkörner polyvinylchlorid  
(Standardschutzkörner) → Aktenweise ausreichende  
Schutzkörner zu  $\text{DAD}(\text{COP}, \text{H}_2\text{O})$  &  
tonisches Schutzkörner ( $\text{SiO}_2$ ,  $\text{CaCO}_3$ ) nicht zu empfehlen  
in EF (durchgehend benötigt ein Schutzkörner statt)

• VII  $\text{CH}_3\text{-Alk}$

$\triangle$  Büchi sekvance patřívecky  
(J.R. Büchi 1960)

366  
1  
117

Büchi sekvance patřívecky  $\alpha$ -aktivace  
(aq.  $\text{H}_2\text{O}$ -rův) auton. DFA ( $S, S_0, L, T, t$ )  
je velká koncentrace dýže sekvance 5  
zdejší do výroby

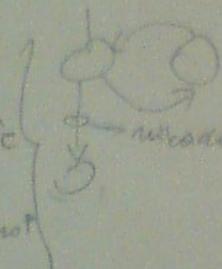
$$E S_f, S_f \in T \quad S_f \in S^W$$

$\rightarrow$  někdo od F  $\odot$   $\rightarrow$  pojednávání s výrobou

ještě mnoho

non-proper

$$+ S_f, S_f \in S^W \rightarrow S_{\text{výrob}} \left. \begin{array}{l} \text{upr.} \\ \text{stavba} \\ T \in S \end{array} \right\}$$



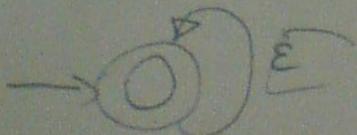
celuloz a Peptidové monomery  
proper

někdo tu může

Protein konací  $\alpha$ -G (TSA) zavíráce  $\alpha$ T(D)  
zde proti němuž zdejší výrobci aktivují  
 $\Rightarrow$  'stutter' prošívání (stutter = konverzace)

Ab konací 3. čtv. 5  $\rightarrow$  zavíráce  $\alpha$ T(D)

takže je  $\alpha$ -aktivace 5  $(S_n, E, S_n)^W$



NOP aktivace

skip první

E. mle  $\rightarrow$  multi-průniky

čelivo nepravidlo

LTC Büchi  $\rightarrow$  α(TSA)

$\neg \exists$  : universal quantifier  
disjunctive

$\Box p$  always  $p$  necessitate

$\Diamond p$  eventually  $p$  possible

$\Diamond \rightarrow \Box p$  P until  $p$  sufficient

$\Diamond \rightarrow \Diamond p$   $p$  implies  $p$  which is present

$\Box \Diamond p$  always eventually  $p$  proper formula

$\Diamond \Box p$  eventually always  $p$  safety (non progress)

$\Diamond p \rightarrow \Diamond p$  what  $p$  implies until  $p$  (breakage)

Data =  $\exists p B^*$

$\exists p \leftrightarrow \Diamond' p$   $\Diamond' p \Rightarrow \Diamond p$

$\Diamond p \Leftrightarrow \Box' p$   $\Diamond p \Leftarrow \Box' p$

$\neg \exists$  : state formulae

first  $\neg \exists$  = automatic

spill  $\Box \exists \Diamond$

(Pain je n'arrive)

mais ~~pas~~ 7  
bien  
comme  
~~pas~~ 240

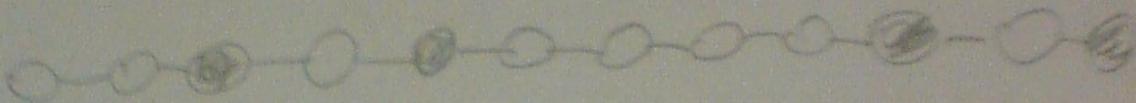


The sun does not burn cold

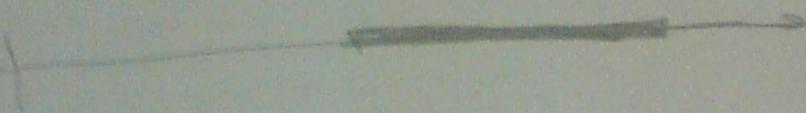


□ □ (Puntje en vierkant)

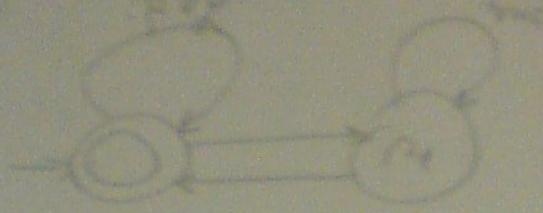
name ~~354~~ <sup>354</sup>  
Gebian  
Ottawan  
203-240



◇ ◇ (De vier doortrek en vierkant)

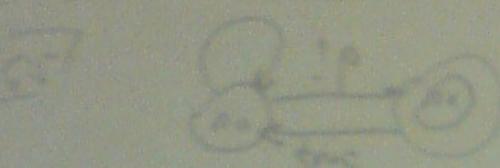


~~problem~~  $\vdash \varphi \rightarrow \psi \wedge \psi \rightarrow \chi$  (more choices)



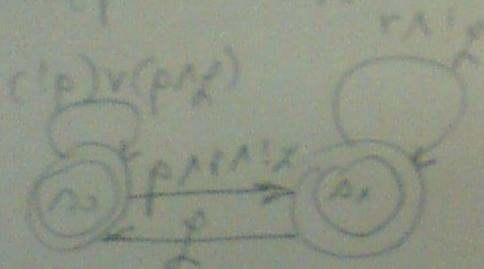
state  
both & either

$$\Box(\varphi \rightarrow \Diamond\psi)$$



$$\neg \Diamond \Box \varphi = \Box \Diamond \neg \varphi$$

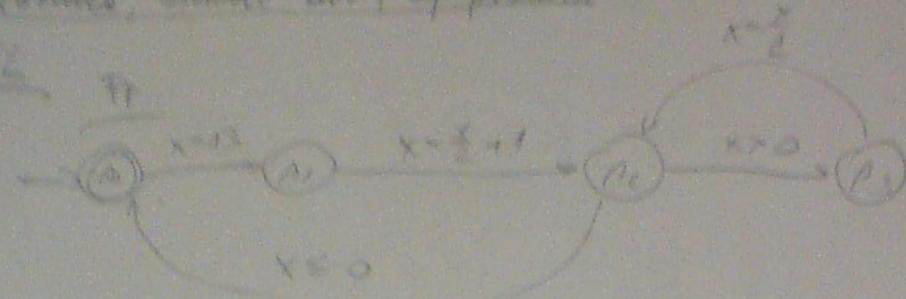
②  $\Box(\varphi \rightarrow (\psi \vee \chi))$



deadlock  
not  
diverse (fairness)

logic formula, Buchi aut., ex product

24. 16.9  
1



principles:  $\neg \phi \equiv \neg \psi \wedge \psi$ ,  $\wedge$  off predicate

duci  $\neg \phi$   $\rightarrow \phi$   $\wedge$  sc. neparam  $(\neg \phi \wedge \phi) \equiv 1$

$$L \quad x = 13$$

predicati stags  $\rightarrow$  (cada restrictie  $\phi_i$  in do,  $\alpha_1, \dots$ )

$(\alpha_0, 0), (\alpha_1, 13), (\alpha_2, 7), (\alpha_3, 7), (\alpha_4 = 3), (\alpha_5 = 2), (\alpha_6 = 1)$   
 $(\alpha_7, 1), (\alpha_8, 0), (\alpha_9, 0), (\alpha_{10}, \dots)$

$$\rightarrow \alpha_0 \ 4 \ \alpha_2 \ \alpha_3 = 2 \ \alpha_0 \ \alpha_2 \ \alpha_3 \ \alpha_0 \ \alpha_8$$

$\vdash$	1	T	T	T	T	T	T	1	1
$\vdash$	1	T	1	1	1	1	1	1	1

? valo. interpretatii: exp. 1; T une formula?

? exp.:  $L \vdash L$

Coordinate  
spin  
spins ->  $\langle M \rangle$

for prue

spins ->  $\langle M \rangle$

(ii)  $\text{soc} \rightarrow \langle M \rangle$  for flow  
 $\rightarrow$  par. ft } ( $\text{CST}$ )  
angle to surface

(iii)  
magnet at  $\text{soc}$   $\rightarrow$  par. per. e  
 $\text{soc}$

✓ plan --  
mags oppo

new big  
explicit model L

b)  $\text{gcc} - \text{DIFFACE} \rightarrow$  par. per. c

$\text{gcc} - \text{DMACNT}=23 \rightarrow$  par. per. c

par -WR3

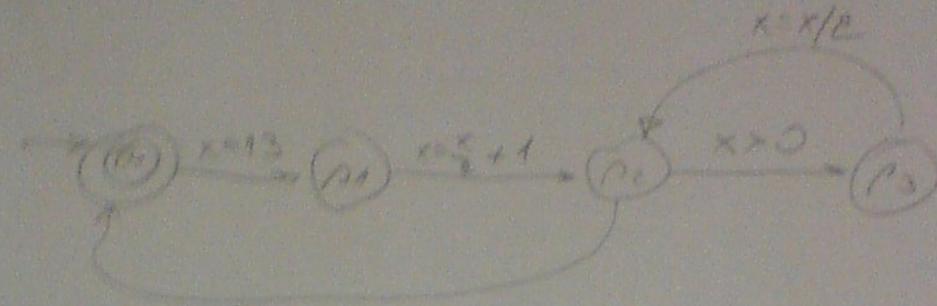
1  
2  
3  
4

c) supertrace (partial explicit model)

(iv)  $\text{gcc} - \text{SWT} \rightarrow$  par. per. c  
par -& (comes over-progress cycles)



exog-alg > simple comp. prule



I didakti pruff

LTL used:

$\exists \text{pin} \rightarrow \neg \text{p2}$  exog-alg

$\exists \text{sec} \rightarrow \neg \text{p3}$  punc

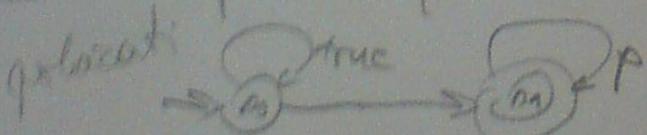
$\neg \text{p4}$  and  $(\neg \text{pin} \wedge \text{state}) \neq$   
 $\neg \text{state modelle-nr}$

WHO Configflow pph.  
is-left

Positiv  
For, down to  
state modelle

leftmost  
label.

• ④ spin -f ' $\leftrightarrow$ '  $\exists p'$  ' $\leftrightarrow$ '  $\Box p$



$\Rightarrow$  preposition  
resultat in  
mfcia. (info&u)

Ex. not true

spin -f ' $\leftrightarrow$ '  $p'$

[prop] true never claims  
model

spin -f ' $\models$ '  $p'$



3/37/37, 10:00 AM

3/37/37

37 Real planning project

Planning calendar

C<sub>1</sub> - start CTS,

C<sub>2</sub> - plan

C<sub>3</sub> - surface

C<sub>4</sub> - cable

C<sub>5</sub> - tunnel

C<sub>6</sub> - stop

FSA development

- cable 1/10

sol.

of. DW



period of  
development

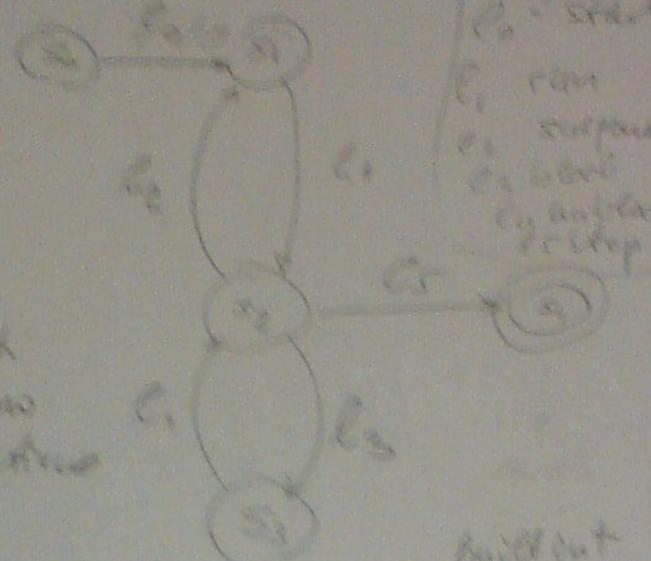
End:

marked:

calculated

a) drawing

Blindfold



built in

$$FSA = (S, \Sigma, \delta, T, F)$$

$$S = \{s_0, s_1, s_2, s_3, s_4\}$$

$$\Sigma = \{c_0, c_1, c_2, c_3, c_4\}$$

$$T = \{s_0, s_1, s_2, s_3, s_4\}$$

CTS

Cable  
-> Soft

$$\delta = \{(s_0, c_0, s_1), (s_1, c_1, s_2), (s_2, c_2, s_3), (s_3, c_3, s_4), (s_4, c_4, s_0), (s_0, c_4, s_4)\}$$

$$F = \{s_0\}$$

Variables:

→ active earth (express) act ... activation

→ blind tunnel: ext-soft-surface, pos

→ active, position pos, earth activated by

specie -> also from ecological model (model)

spill over

& others need certain profile after diff model

⇒ prioritati in different strategies taking  
priorities

S1:

(pt = 5) → apdu < pt > (colonization)

etc in disease (like disease risk)

or prioritization - S2

apdu -> (c prior model)

etc -> pan plan C

plan

[ solar

in S2: prioritati pe se stă (are să se moară)

epid -> pt -> pan

etc se dezvăluie?

pan -> -> } manele fSA /  
pan -> }

⇒ care li arunca etiologia modelului & prioritati  
etiologie -> C. Jave (epid. fSA) ⇒ nemodelabile

⇒ > OHL ap, metab... & paniele paniele

B<sup>act</sup>

•  $\text{LTC} \rightarrow \text{LTC}$  (no  $\phi$ , no  $\psi$ )

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$ , with  $\psi$ )

•  $\text{LTC} \rightarrow \text{LTC}$  with  $\psi$  constant

•  $\text{LTC} \rightarrow \text{LTC}$  with  $\psi$  non-constant

•  $\text{LTC} \rightarrow \text{LTC}$  with  $\phi$  constant,  $\psi$  non-constant

•  $\text{LTC} \rightarrow \text{LTC}$  [non-constant  $\phi$  and  $\psi$ ]

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  constant)

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\psi$  constant)

•  $\text{LTC} \rightarrow \text{LTC}$  with  $\phi$  and  $\psi$  non-constant

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  and  $\psi$  non-constant)

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  and  $\psi$  non-constant)

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  and  $\psi$  non-constant)

•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  and  $\psi$  non-constant)

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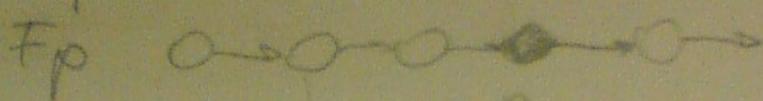
•  $\text{LTC} \rightarrow \text{LTC}$  (with  $\phi$  and  $\psi$  non-constant)

LTC says future is "explosive" with few options

FP ("connection of", "eventually", "finally")

Op towards, no begin p

Op split  $\leftrightarrow$  standard

Fp 

"guarantee"

split  
lock  
split box  
"lock"  
no new init  
expansions  
do not update  
"tails"

GP (always p hopefully p)

EP with p

per -> re  
processes can  
start on other  
in parallel  
lock process

below split "responsible"  
LTC has actions / selects  
as exp. possibility

Xp 

next time p

a slippidocum bivalve

pU<sub>L</sub> p until L p doh L



t ( p L

lang. montage poslog  
dokument

i pokrenuti za  
i nač. naredb  
no povezane  
operativni aux

PI Utic cimantica  
PUL Sh.

357 45  
101 4  
846

čas stajje  
čas mij  
varijabli

Pistolin  
samo je u stanju  
 $m \in \mathbb{N}, G \in$   
 $L \in \mathbb{S}$

pUR formula zadovoljava samo stajje

3, 4, 5, 6, 7

(prekidi nula, spise suštine)

$\square p$

globalno  
(true in  
all future  
moments)



P. brane  
stat  
of curv  
with

svakije mreže imaju skup  
stado deljivo na broj nih voza

$\Diamond p$  (Gp)

finally

konaci  
(true in some  
future moment, but not cur)

somewhere

nekoje je voze

2 operatora  $\Diamond$  (14/39 Bolzano sekcija)  
Alessandro Artale

spin lock formule Table G.1 [Hop 04, pp. 137]  
+ [G0792] steričenih bes pravilno

dodati u 1st step i be danih  
i LTL re modela shva  $\rightarrow$  B4Ch