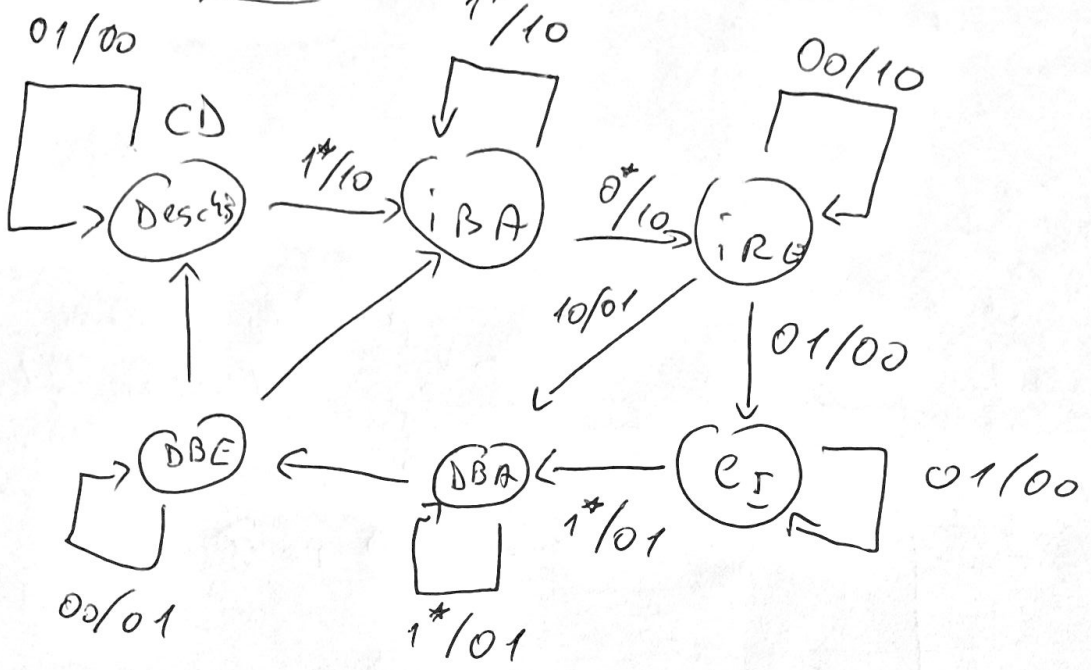
SE - 2 martie

Lab 2

①



②

→ stări

	00	01	10	11
CD	*/**	CD/00	iBA/10	iBA/10
iBA	iBE/10	iBE/10	iBA/10	iBA/10
iBE	iBE/10	CI/00	DBA/01	*/**
ci	*/**	ci/00	DBA/01	DBA/01
DBA	DBE/01	DBE/01	DBA/01	DBA/01
DBE	DBE/01	CD/00	iBA/10	*/**

→ intrări

→ ieşiri.

③

	sunt echivalente?
1. CD, iBA	Nu
2. CD, iBE	Nu
3. CD, ci	Nu.
CD, DBA	Nu
CD, DBE	Da.
iBA, iBE	Nu.

	echiv?
iBA, ci	Nu.
iBA, DBA	Nu.
iBA, DBE	Nu.
ci, DBA	Nu
ci, DBE	Nu.
DBA, DBE	Nu

* - Jocker, echivalent cu orice.

iBE, ci	Da
14. iBE, DBA	Nu
15. iBE, DBE	Nu.

C^2_6 → stări

④

CD, DBE	00
iBE, Ci	01
iBA	10
DBA	11.

Inlocuim cu CD - 00
DBE - 00
iBE - 01
Ci - 01
iBA - 10
DBA - 11. in tabelul

de la ②. (*chiar și în stări)

y \ x	00	01	10	11
00				10 10
01				
11				
10				

→ valori de intrare. (butanul)
→ ieșire.
→ input

→ n = momentul curent, n+1. mom. următor.

$y_{1,(n+1)} = x_1$

ex: $y_{1,n} x_0 + y_{0,n} \overline{x_0}$

① graf - pe tranziții (funcția s?)
② Reducerii
③ Biți în locul numelor simbolice.
④ Minimizării.

[illegible] cu 2 nivele.

S. E.

Lab 3 –

Curs recap

```
var a, b
var produs = 0;
while 0
    for( i = 1; i <= b; i++)
        produs += a
        (// produs = produs + a)
```

comparator.

~~sum~~ numerator.

i – numerator,

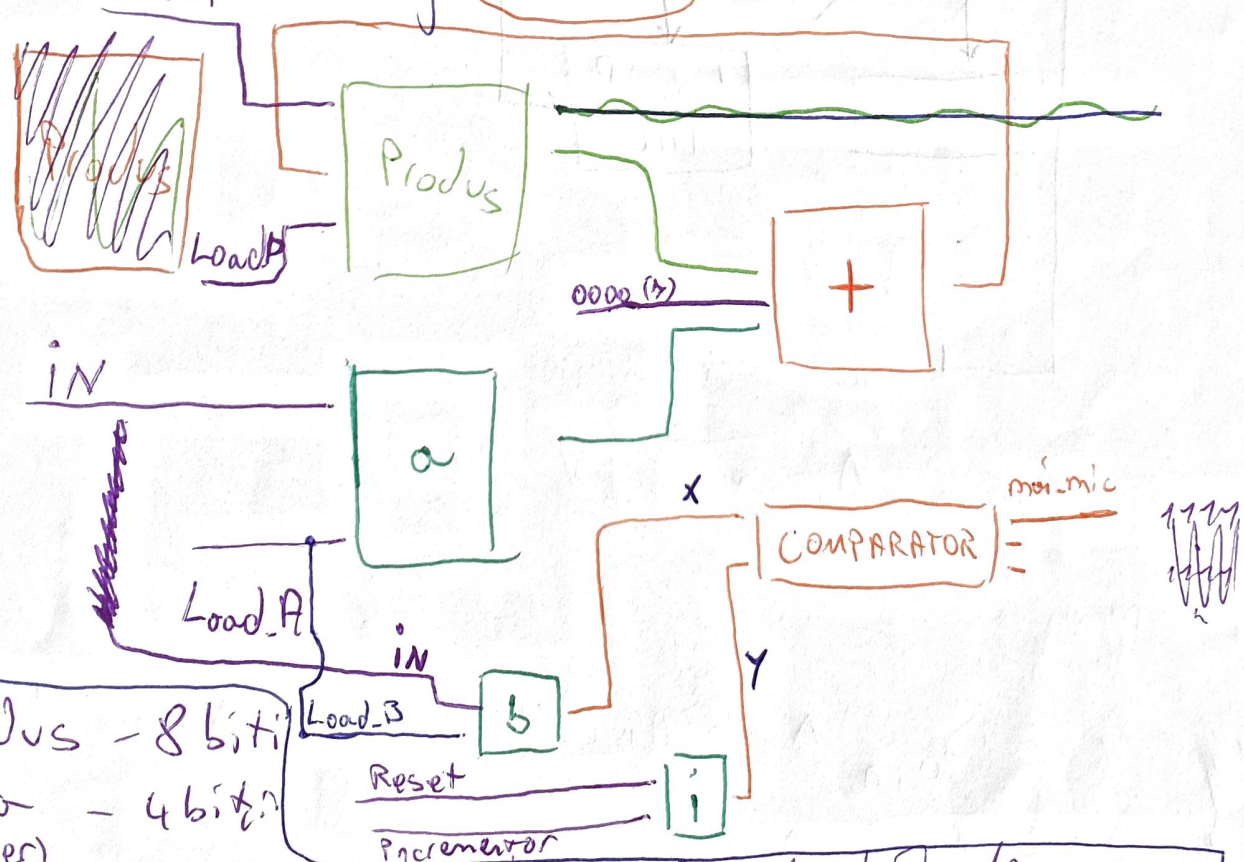
a, b, prod – registrii

Load = fostul clock.

start

DONE

need of Sumator

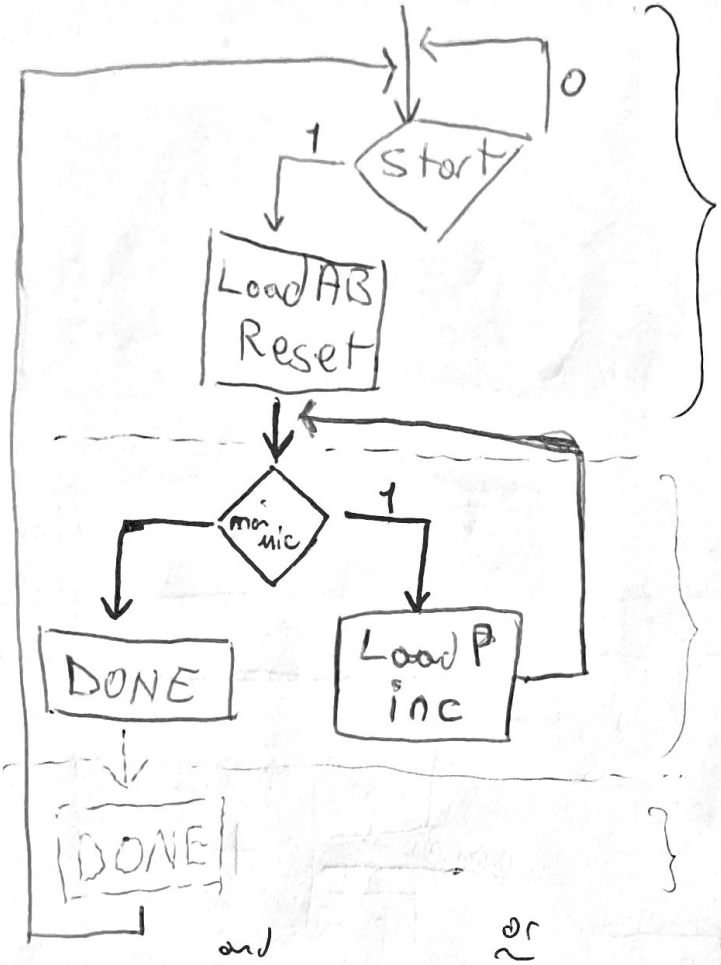


Produs – 8 biti

a – 4 biti

(Adder)

* Sumator dasn't accept different bitrate. So we add 0000 at begining of a.



o stare (o per. de ceas)

and ~ or ~

$$S_{0,n+1} = (S_{0,n} \wedge \overline{START}) \vee S_{2,n}$$

$S_{0,n+1}$: S_0 → stare; $n+1$ → moment. timpul.

$$S_{1,n+1} = (S_{0,n} \wedge START) \vee (S_{1,n} \wedge mai Mic)$$

$$S_{2,n+1} = S_{1,n} \wedge \overline{mai Mic}$$

$$Load AB = Reset = S_{0,n} \wedge Start$$

$$Load P = inc = S_{1,n} \wedge mai Mic$$

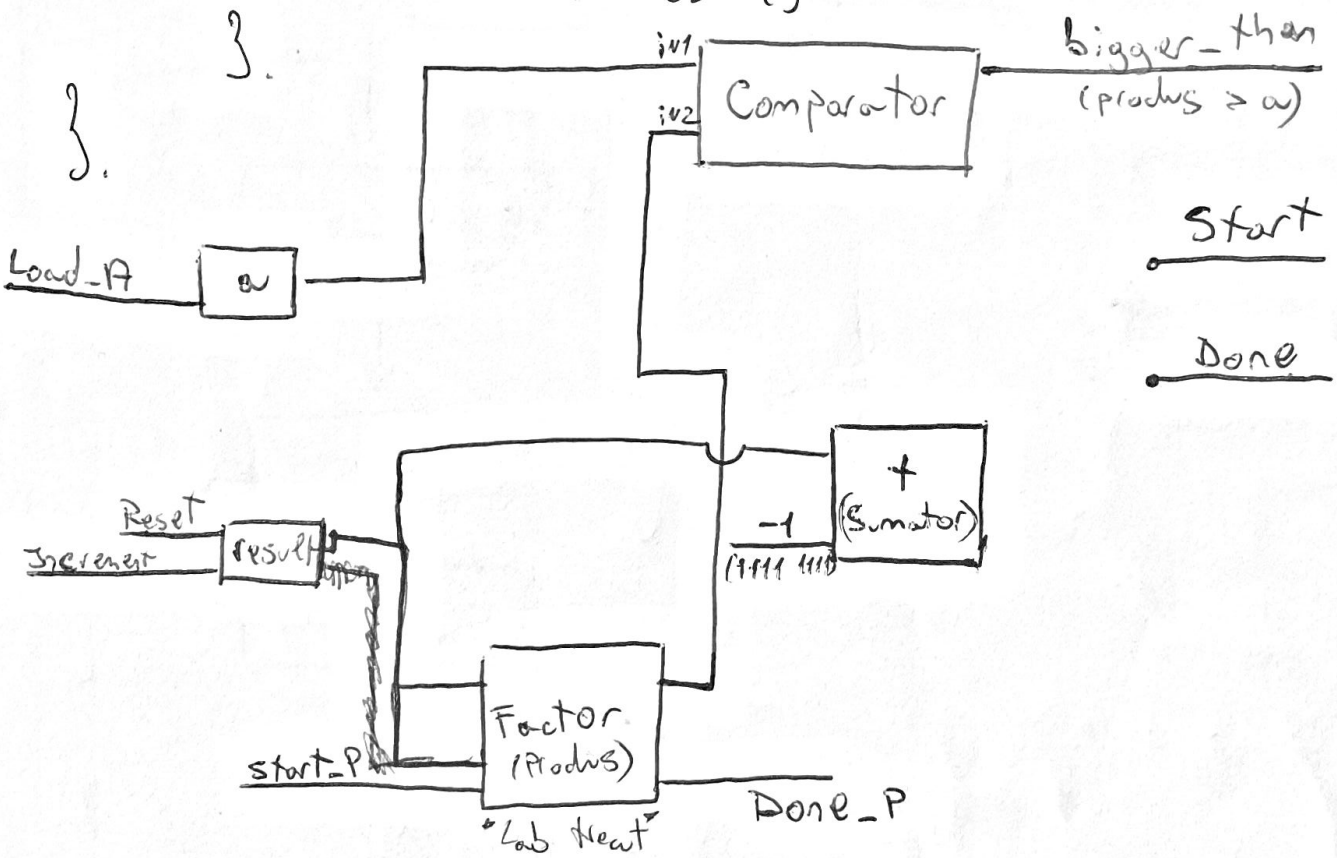
$$Gata = (S_{1,n} \wedge \overline{mai Mic}) \vee S_{2,n}$$

SE - lab 4?

16 martie

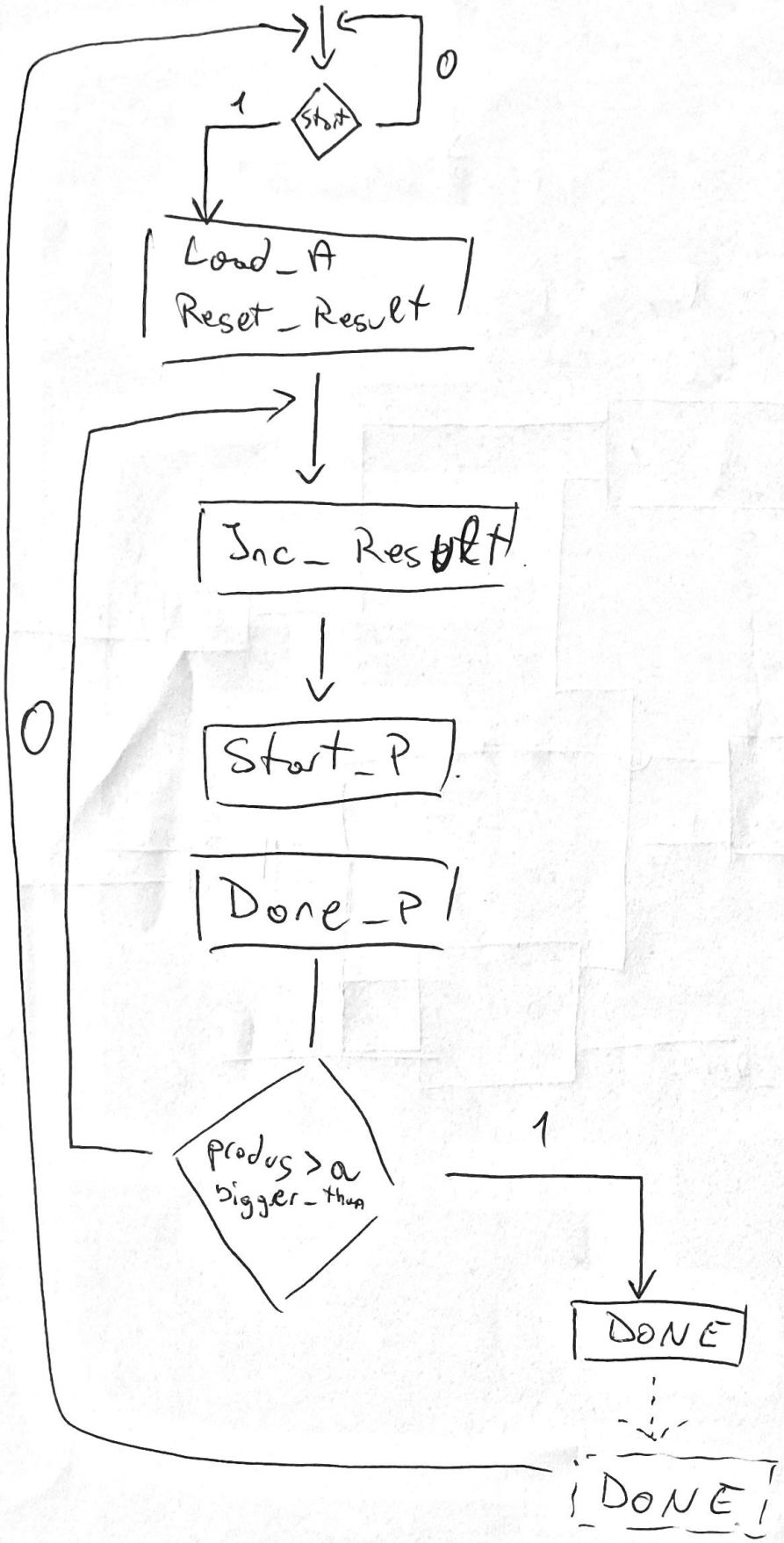
① Calculum radicalul unui nr.
multiplexor - ~~face~~ secvențiator

```
sqrt(a){
    var res=0
    while(res < a){
        res++;
        if(res*res > a)
            return res-1;
    }.
}.
```



-start -mi more.
-done P

OUT

Load A start P
Reset
Inc

IN.