

Hodiny

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Cíle

Stopky

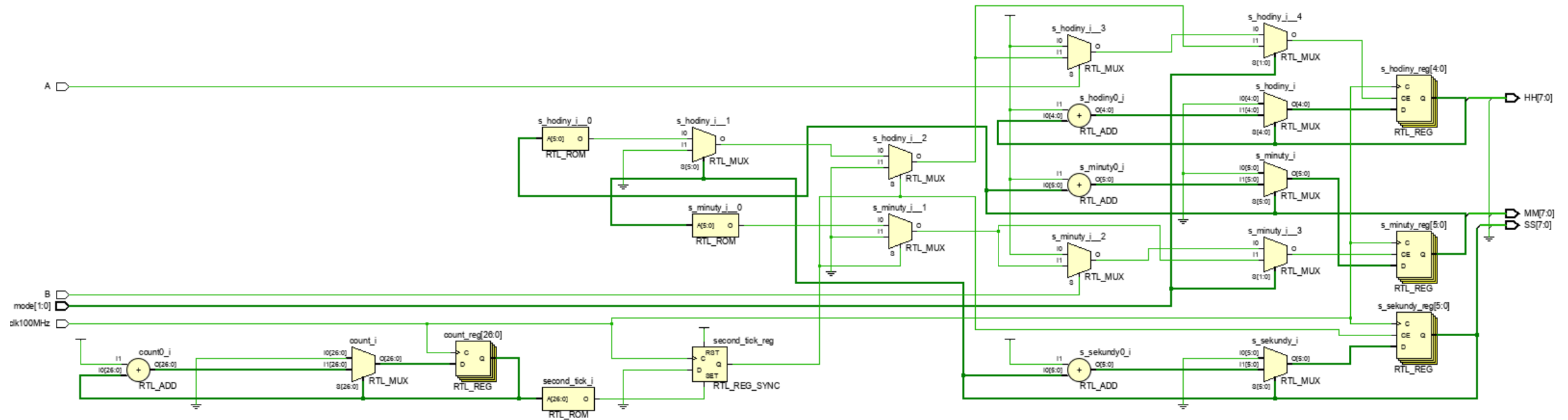
Indikace alarmu

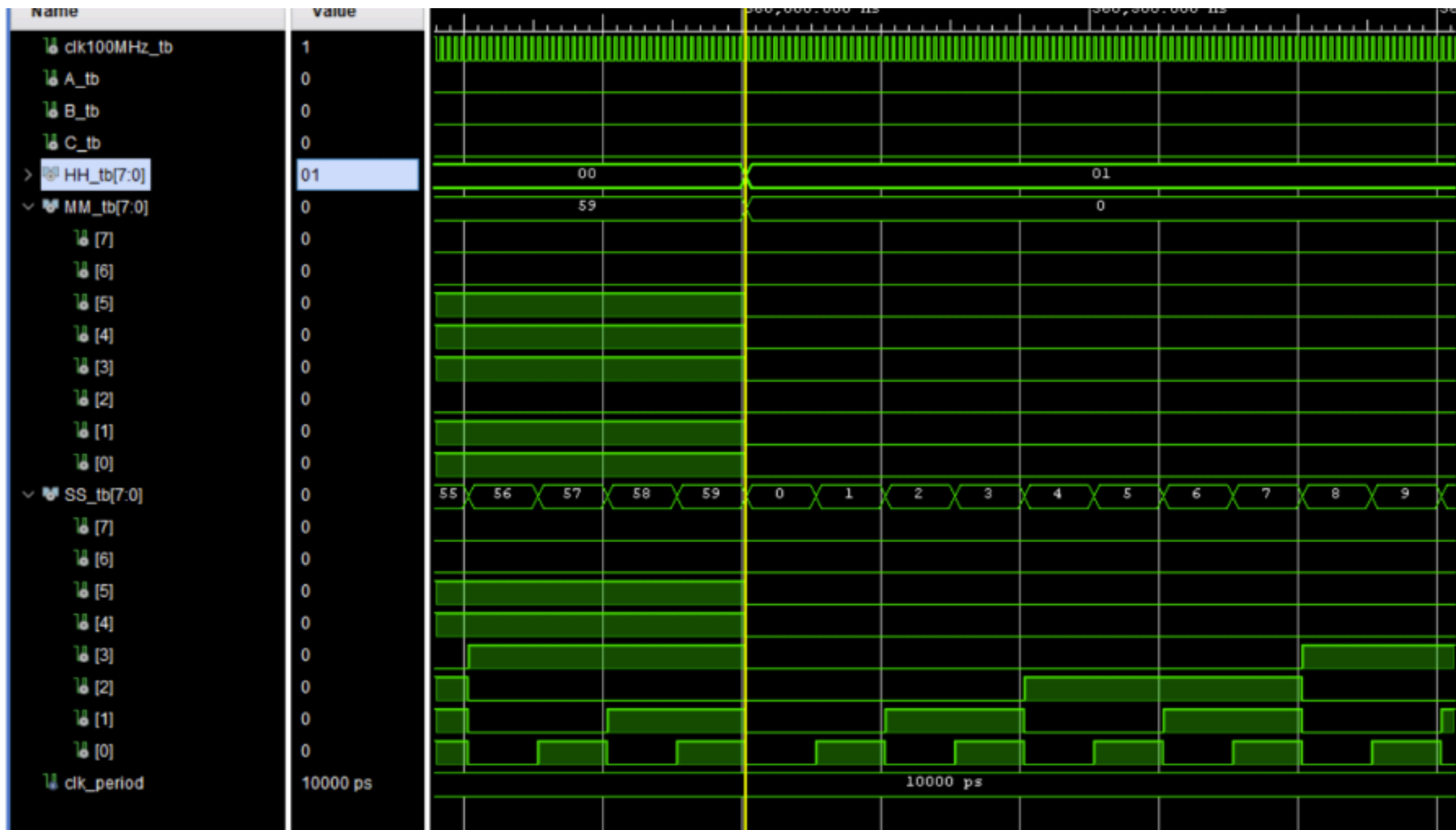
Kompletace kódu

Funkční hodiny

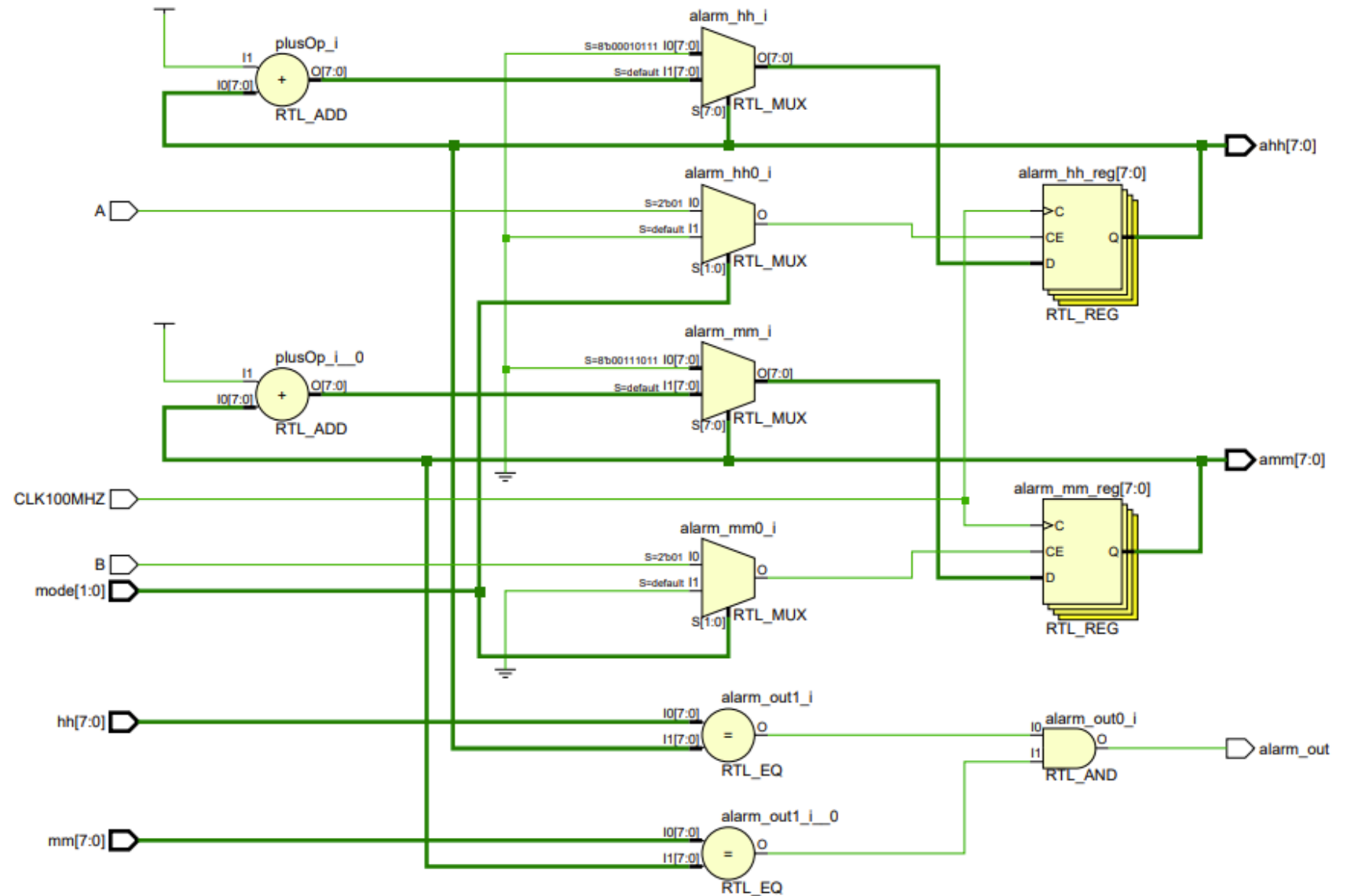
Implementace na desku













Hodiny

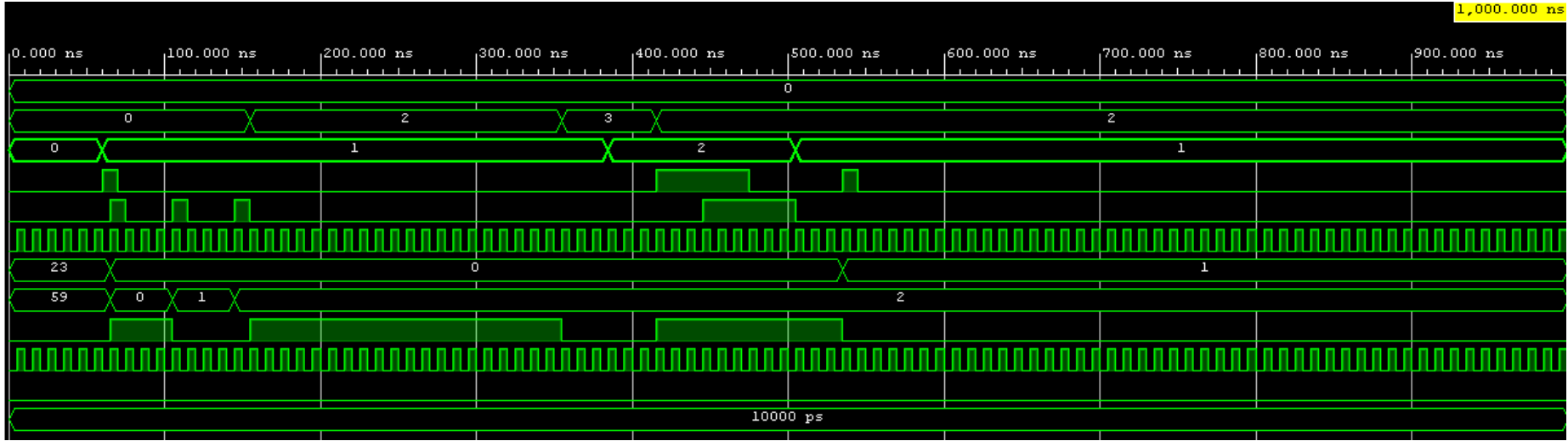




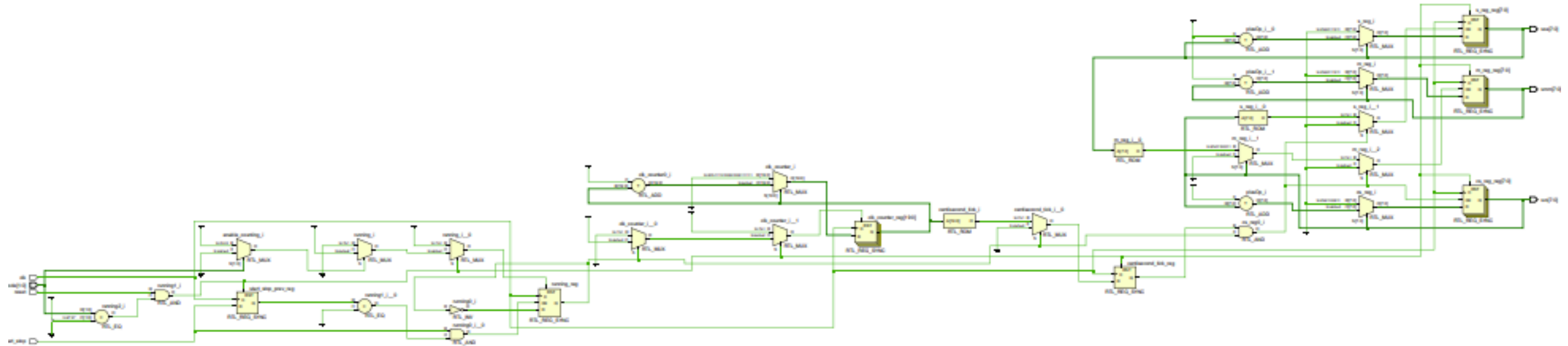
Alarm



Name	Value
>  hh[7:0]	0
>  mm[7:0]	2
>  mode[1:0]	1
 A	0
 B	0
 CLK100MHZ	0
>  ahh[7:0]	1
>  amm[7:0]	2
 alarm_out	0
 TbClock	0
 TbSimEnded	0
 TbPeriod	10000 ps

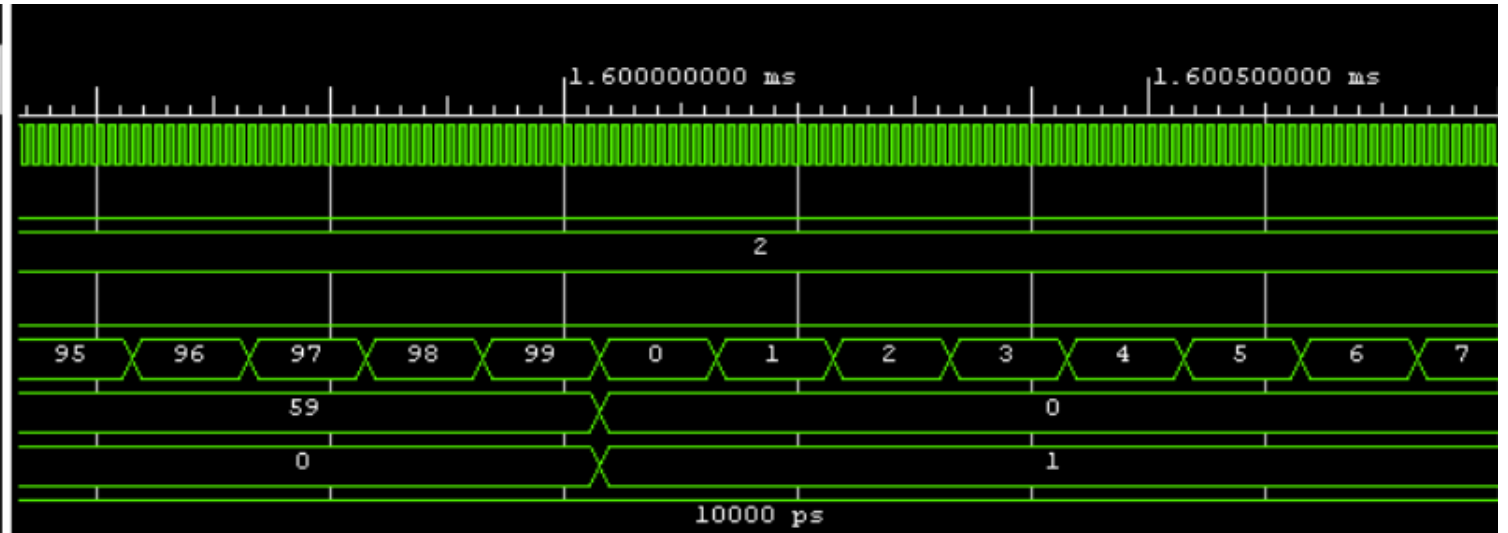


Stopky



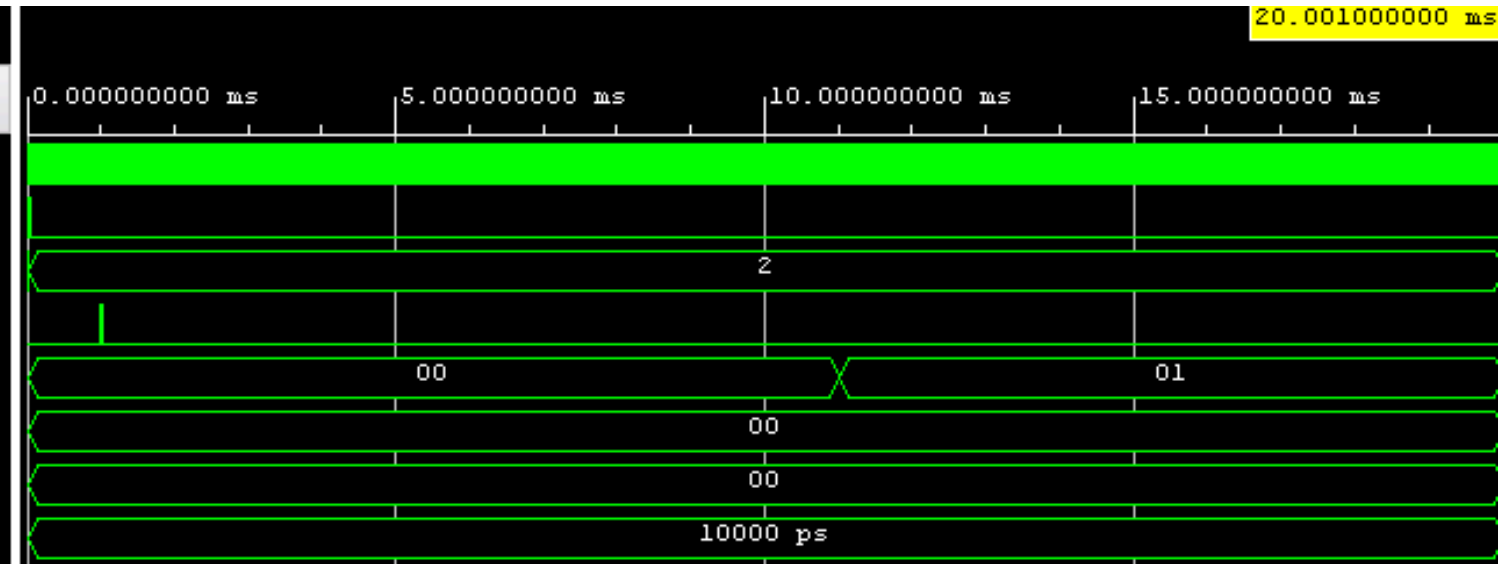
Over

Name	Value
clk	1
reset	0
> mode[1:0]	2
start_stop	0
> sw[7:0]	1
> sss[7:0]	0
> smm[7:0]	0
clk_period	10000 ps

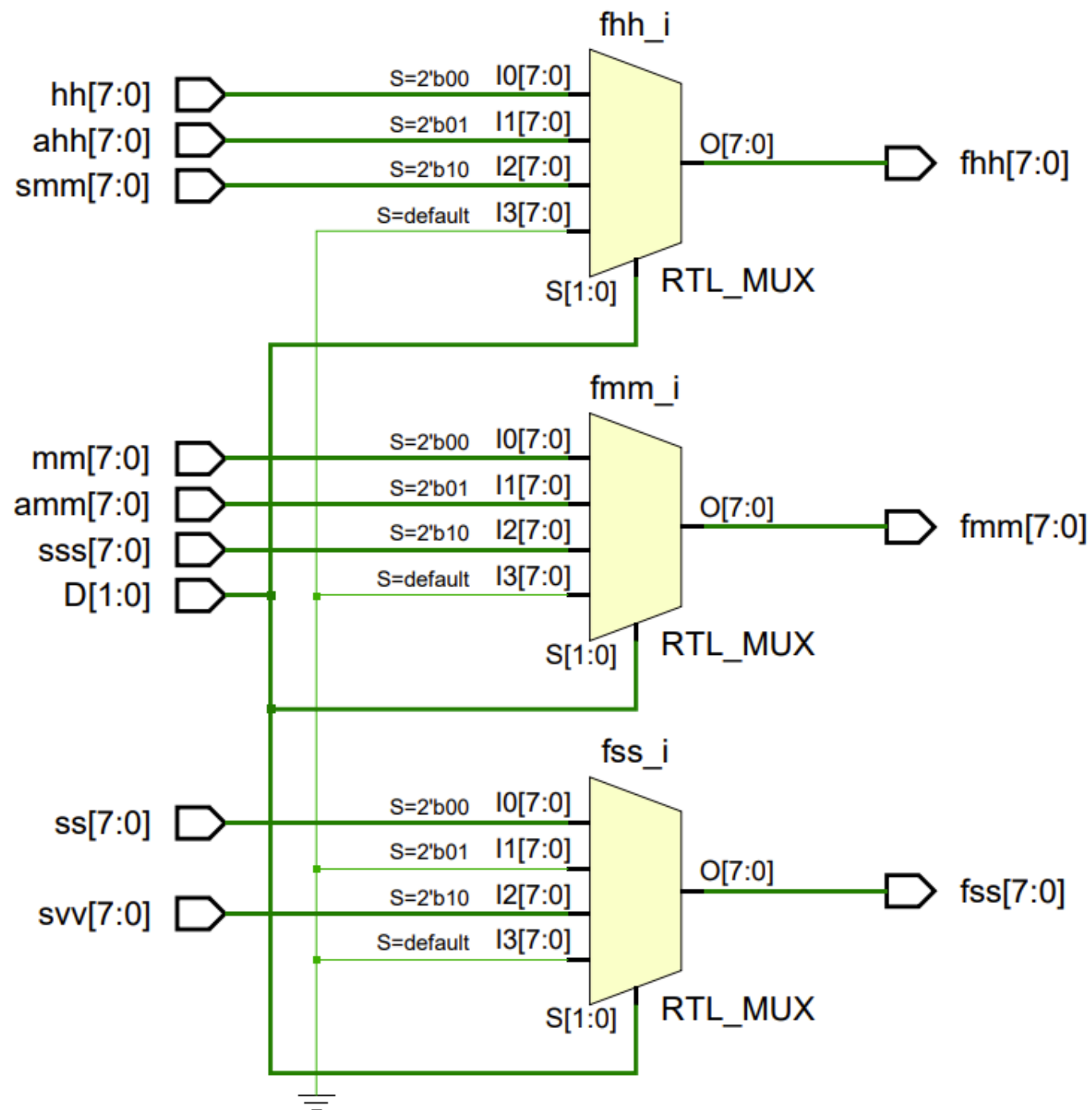














Start

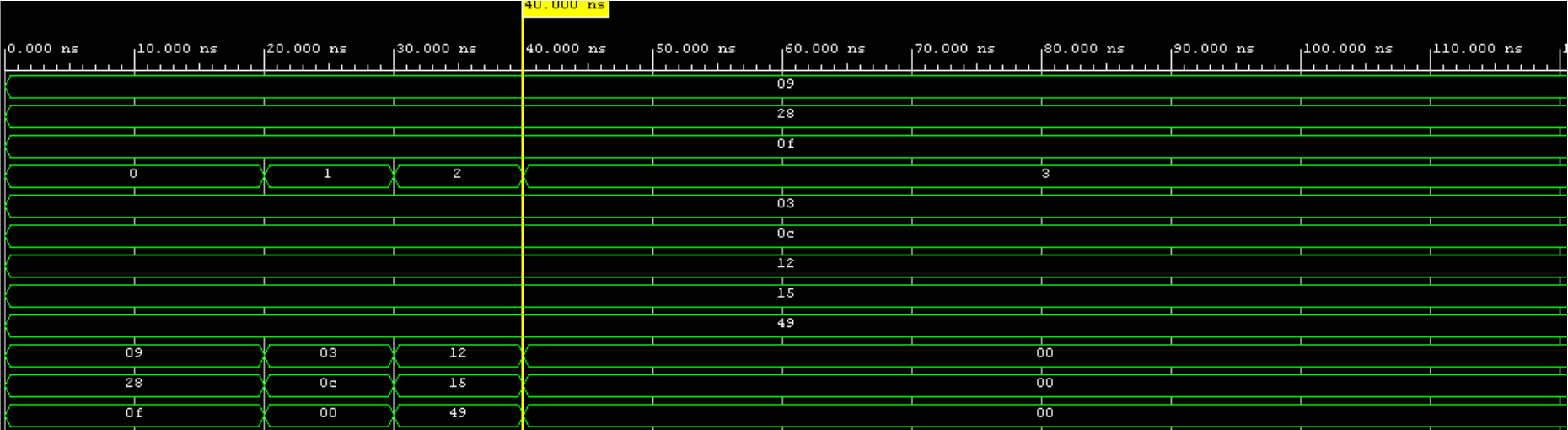
Name	Value
clk	1
reset	0
> mode[1:0]	2
start_stop	0
> sw[7:0]	01
> sss[7:0]	00
> smm[7:0]	00
clk_period	10000 ps



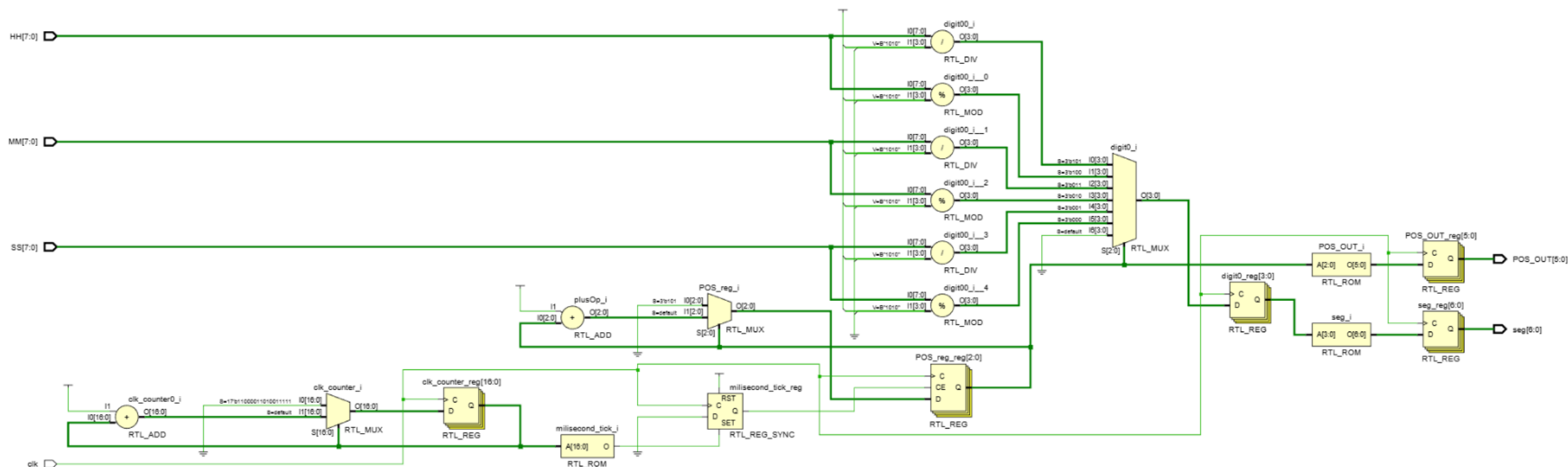
Přepínač



Name	Value
>  hh[7:0]	09
>  mm[7:0]	28
>  ss[7:0]	0f
>  D[1:0]	3
>  ahh[7:0]	03
>  amm[7:0]	0c
>  smm[7:0]	12
>  sss[7:0]	15
>  sw[7:0]	49
>  fhh[7:0]	00
>  frm[7:0]	00
>  fss[7:0]	00

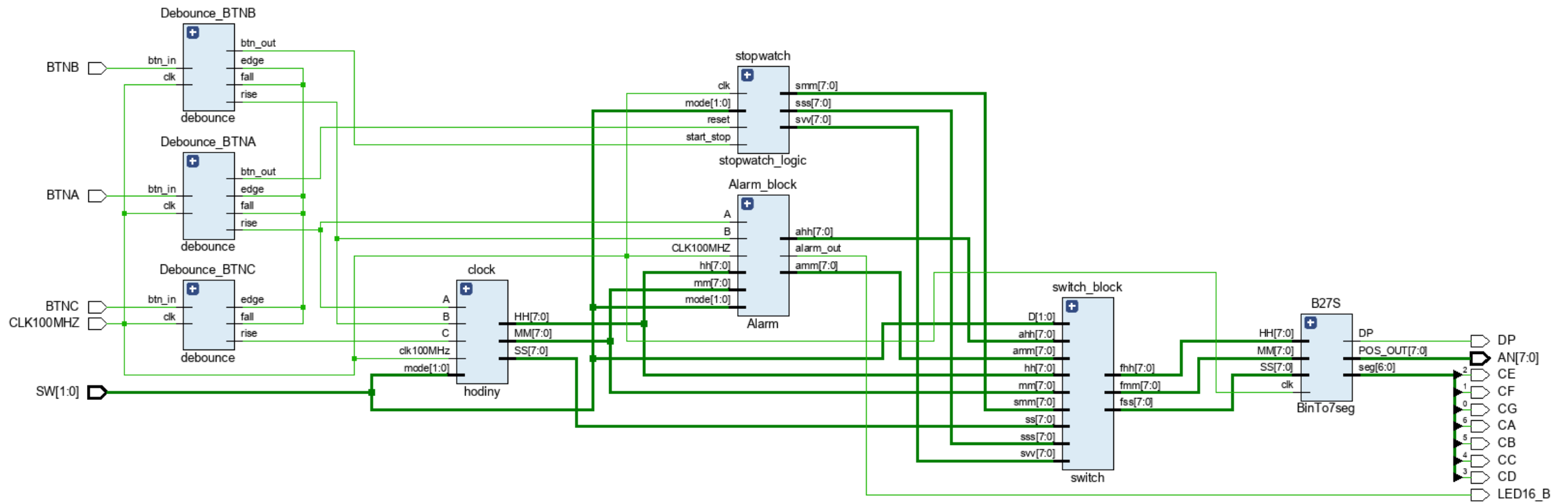


Sedmisegmentovka

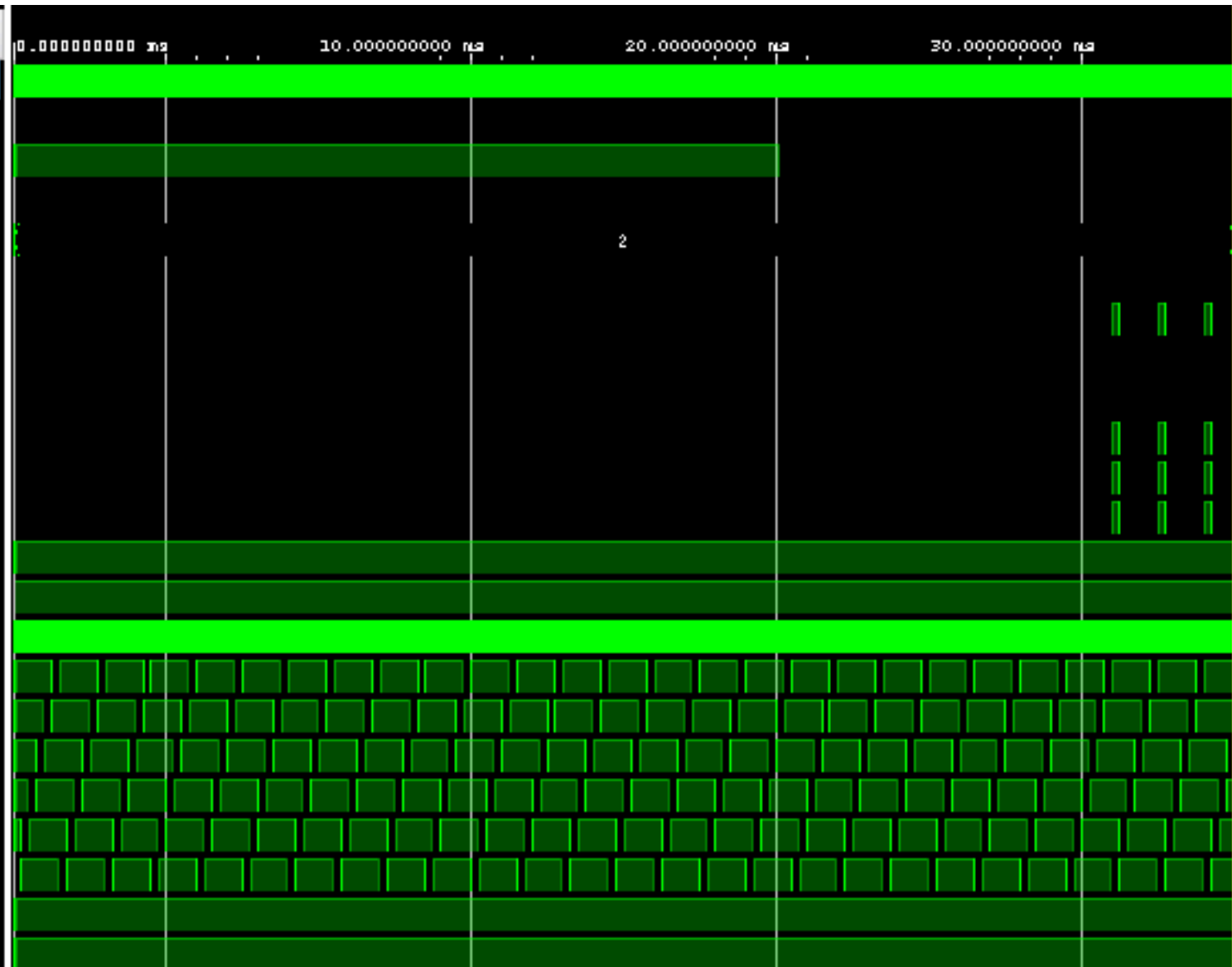


Name	Value	0.000000000 ms	1.000000000 ms	2.000000000 ms	3.000000000 ms	4.000000000 ms	5.000000000 ms	6.000000000 ms	7.000000000 ms	8.000000000 ms	9.000000000 ms	
clk	0											
> HH[7:0]	00	0c										
> MM[7:0]	00	22										
> SS[7:0]	00	38										
> seg[6:0]	00	20	24	4c	06	12	4f	20	24	4c	06	
> POS_OUT[5:0]	00	3e	3d	3b	37	2f	1f	3e	3d	3b	37	
TbClock	0											
TbSimEnded	0											
TbPeriod	10000 ps	10000 ps										
digit0	0	6	5	4	3	2	1	6	5	4	3	
> POS_reg[2:0]	0	0	1	2	3	4	5	0	1	2	3	
millisecond_tick	0											

Top level



Name	Value
CLK100MHZ	0
BTNA	0
BTNB	0
BTNC	0
SWT1:0	2
LED16:8	0
CA	0
CB	0
CC	0
CD	0
CE	0
CF	0
CG	1
DP	1
AN[7:0]	bt
[7]	1
[6]	0
[5]	1
[4]	1
[3]	1
[2]	1
[1]	1
[0]	1



Video ukázka hodiny

[https://drive.google.com/file/
d/1JJ692UHHd7oOWDBoQ0ek7HKJ6iFH9hN
W/view?usp=drivesdk](https://drive.google.com/file/d/1JJ692UHHd7oOWDBoQ0ek7HKJ6iFH9hNW/view?usp=drivesdk)



Děkujeme za pozornost

