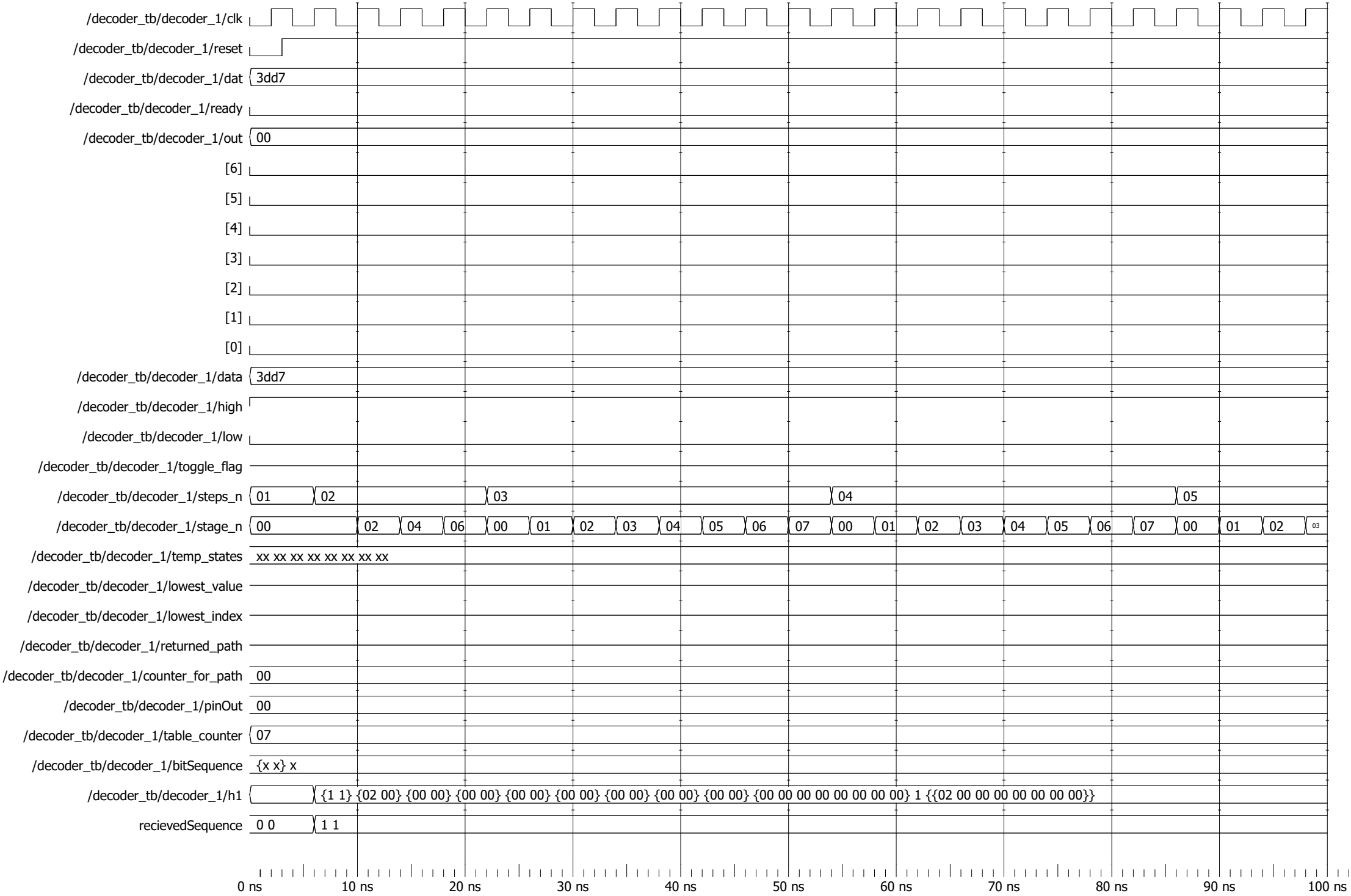
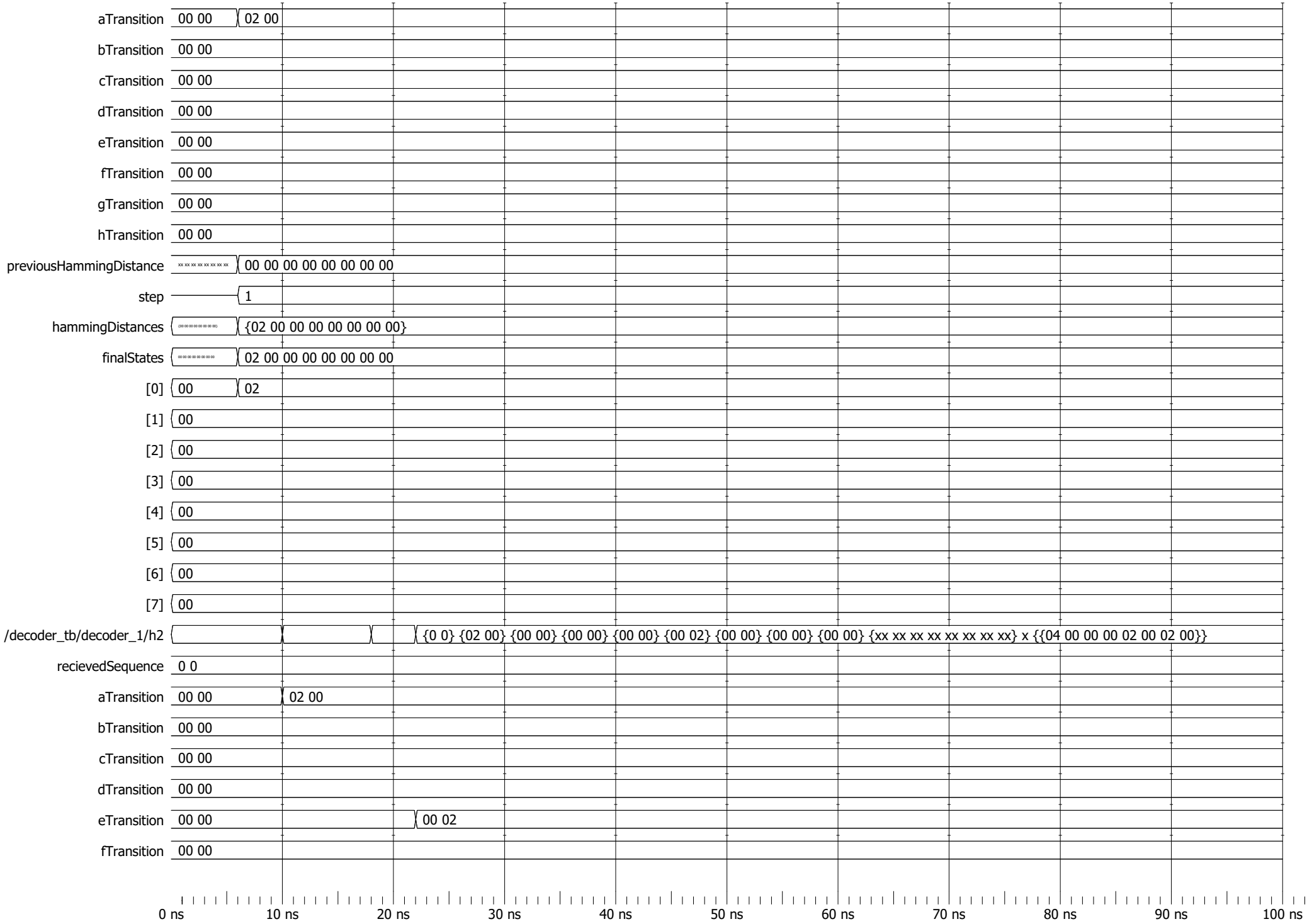
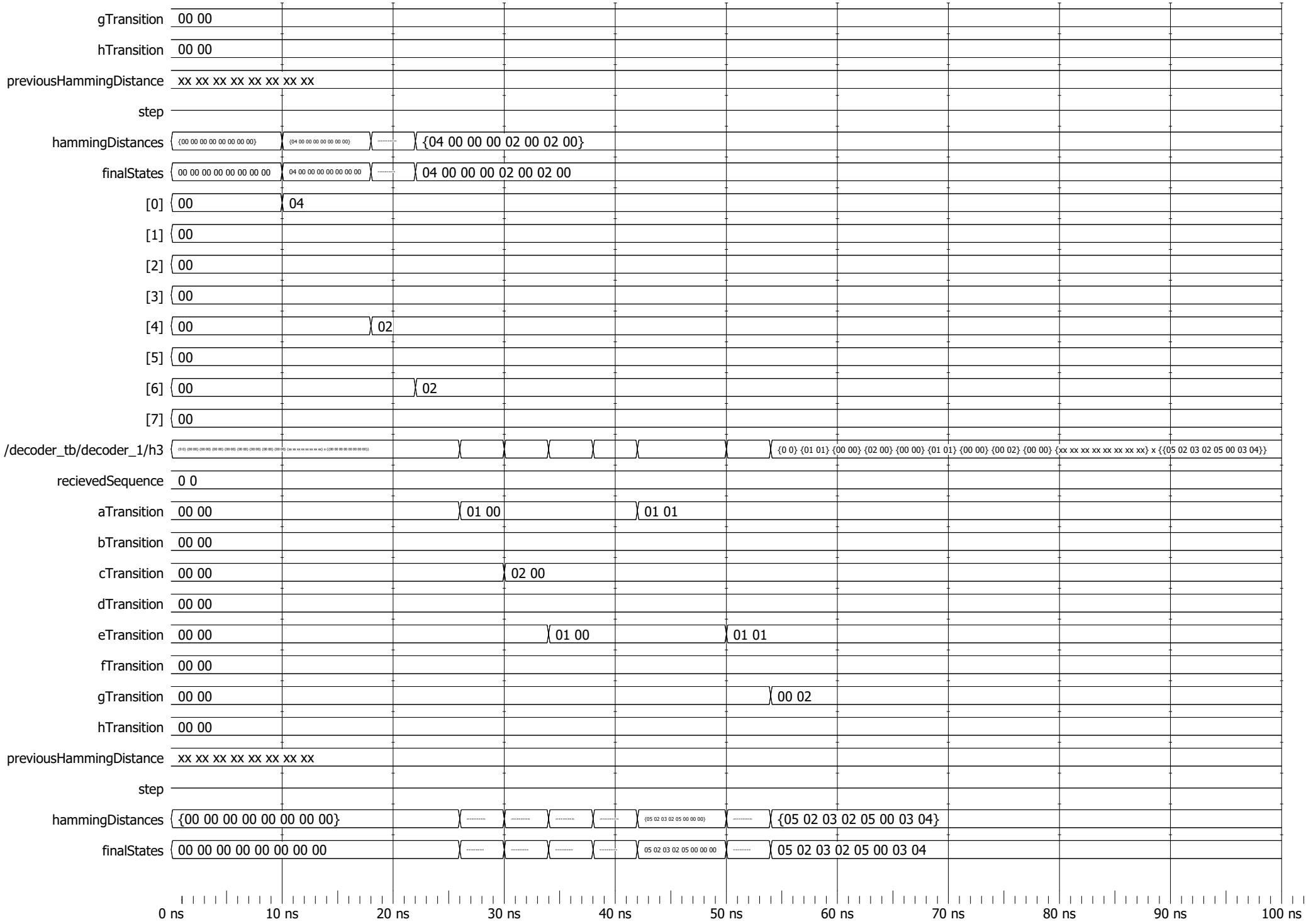


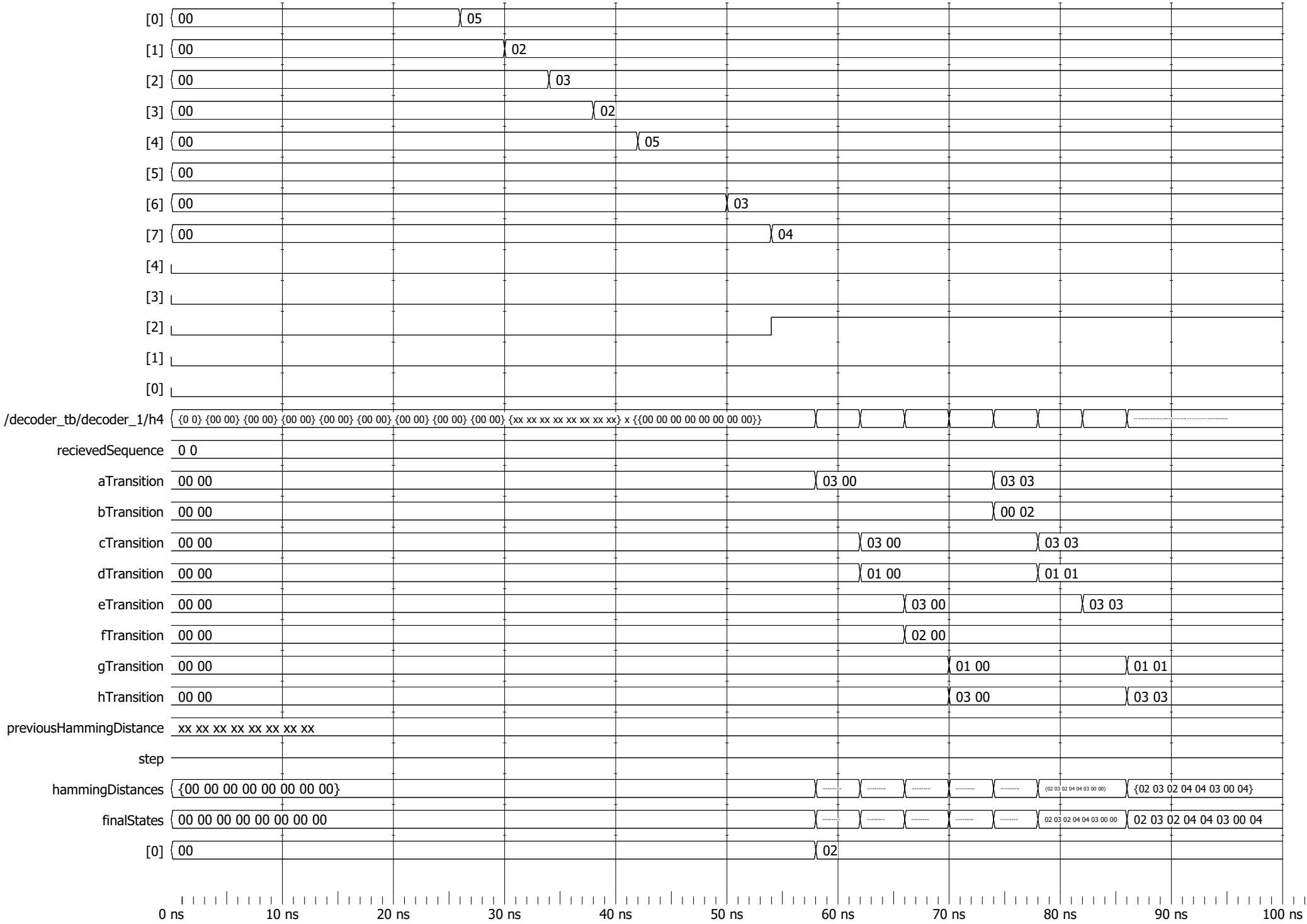
Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 1 Page: 1



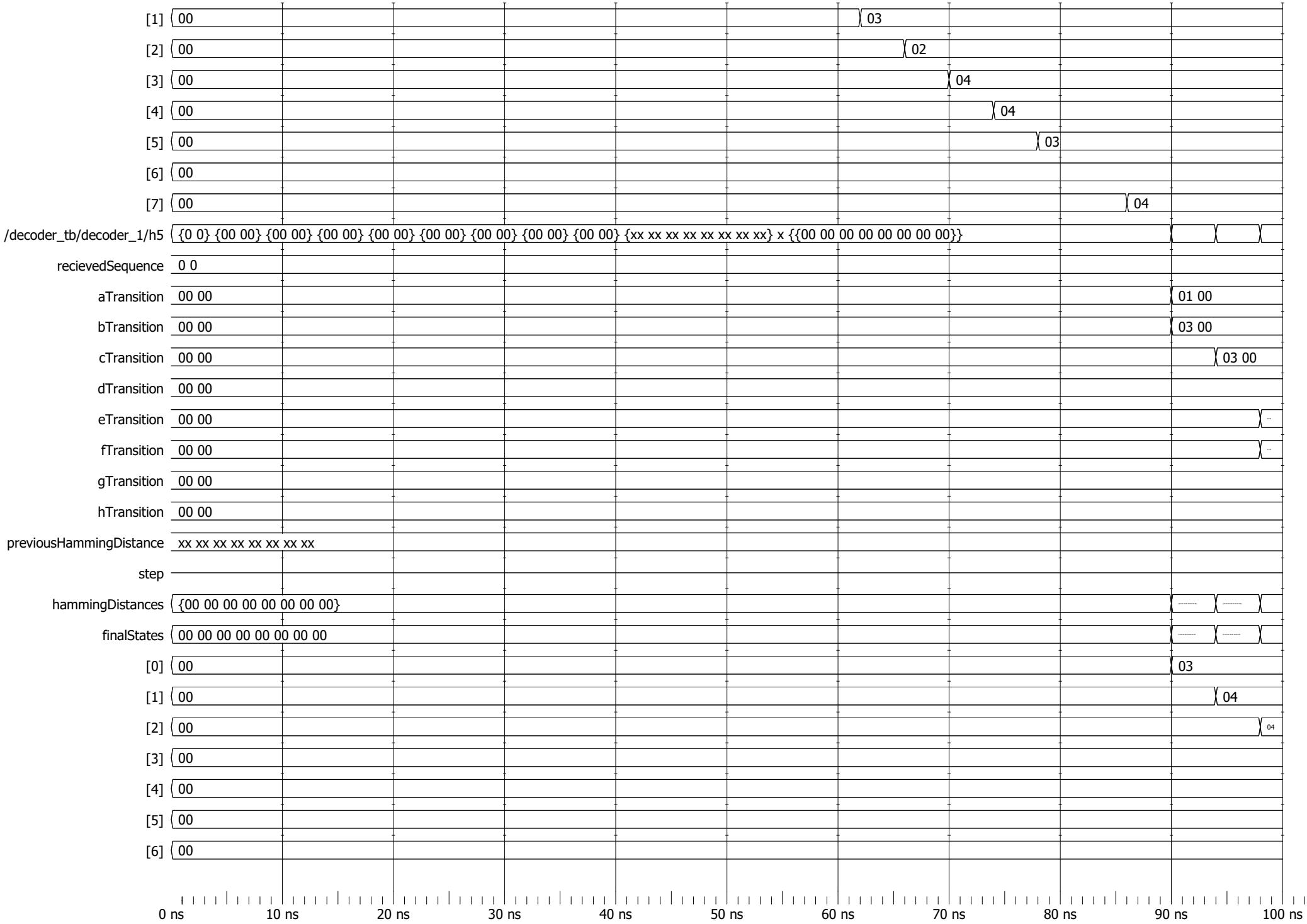
Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 1 Page: 2



Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 1 Page: 3



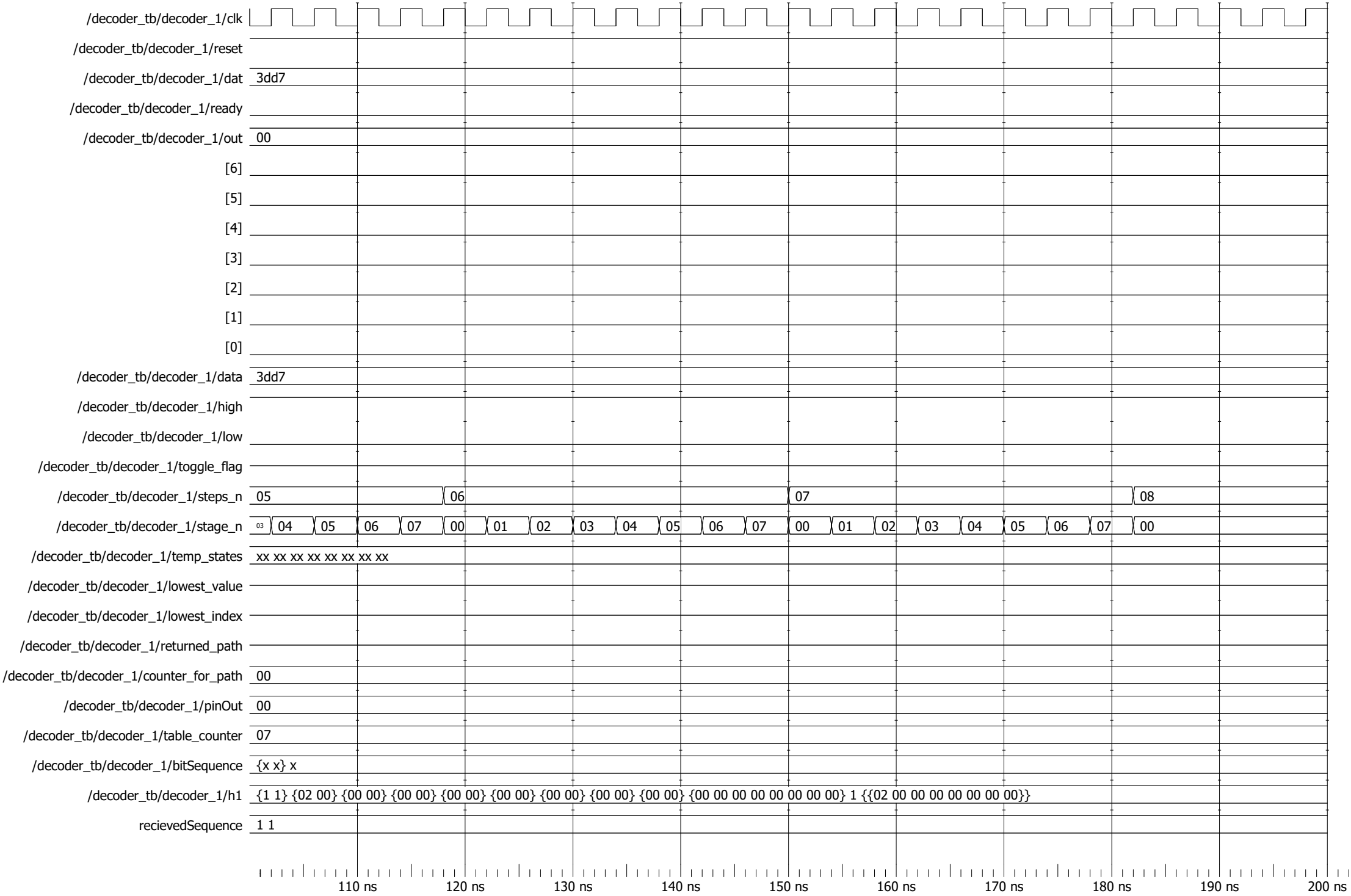
Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 1 Page: 4



Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 1 Page: 5

[7]	00
/decoder_tb/decoder_1/h6	{0 0} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {xx xx xx xx xx xx xx xx} x {{00 00 00 00 00 00 00 00}}
recievedSequence	0 0
aTransition	00 00
bTransition	00 00
cTransition	00 00
dTransition	00 00
eTransition	00 00
fTransition	00 00
gTransition	00 00
hTransition	00 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{00 00 00 00 00 00 00 00}
finalStates	00 00 00 00 00 00 00 00
[0]	00
[1]	00
[2]	00
[3]	00
[4]	00
[5]	00
[6]	00
[7]	00
/decoder_tb/decoder_1/h7	{0 0} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {xx xx xx xx xx xx xx xx} x {{00 00 00 00 00 00 00 00}}

0 ns 10 ns 20 ns 30 ns 40 ns 50 ns 60 ns 70 ns 80 ns 90 ns 100 ns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/decoder_tb/decoder_1/reset
/decoder_tb/decoder_1/dat
3dd7
/decoder_tb/decoder_1/ready
/decoder_tb/decoder_1/out
00
[6]
[5]
[4]
[3]
[2]
[1]
[0]
/decoder_tb/decoder_1/data
3dd7
/decoder_tb/decoder_1/high
/decoder_tb/decoder_1/low
/decoder_tb/decoder_1/toggle_flag
/decoder_tb/decoder_1/steps_n
05 06 07 08
/decoder_tb/decoder_1/stage_n
03 04 05 06 07 00 01 02 03 04 05 06 07 00 01 02 03 04 05 06 07 00
/decoder_tb/decoder_1/temp_states
xx xx xx xx xx xx xx xx
/decoder_tb/decoder_1/lowest_value
/decoder_tb/decoder_1/lowest_index
/decoder_tb/decoder_1/returned_path
/decoder_tb/decoder_1/counter_for_path
00
/decoder_tb/decoder_1/pinOut
00
/decoder_tb/decoder_1/table_counter
07
/decoder_tb/decoder_1/bitSequence
{x x} x
/decoder_tb/decoder_1/h1
{1 1} {02 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00} {00 00 00 00 00 00 00 00} 1 {{02 00 00 00 00 00 00 00}}
recievedSequence
1 1
110 ns
120 ns
130 ns
140 ns
150 ns
160 ns
170 ns
180 ns
190 ns
200 ns

aTransition	02 00
bTransition	00 00
cTransition	00 00
dTransition	00 00
eTransition	00 00
fTransition	00 00
gTransition	00 00
hTransition	00 00
previousHammingDistance	00 00 00 00 00 00 00 00
step	1
hammingDistances	{02 00 00 00 00 00 00 00}
finalStates	02 00 00 00 00 00 00 00
[0]	02
[1]	00
[2]	00
[3]	00
[4]	00
[5]	00
[6]	00
[7]	00
/decoder_tb/decoder_1/h2	{0 0} {02 00} {00 00} {00 00} {00 00} {00 02} {00 00} {00 00} {00 00} {xx xx xx xx xx xx xx xx} x {{04 00 00 00 02 00 02 00}}
recievedSequence	0 0
aTransition	02 00
bTransition	00 00
cTransition	00 00
dTransition	00 00
eTransition	00 02
fTransition	00 00

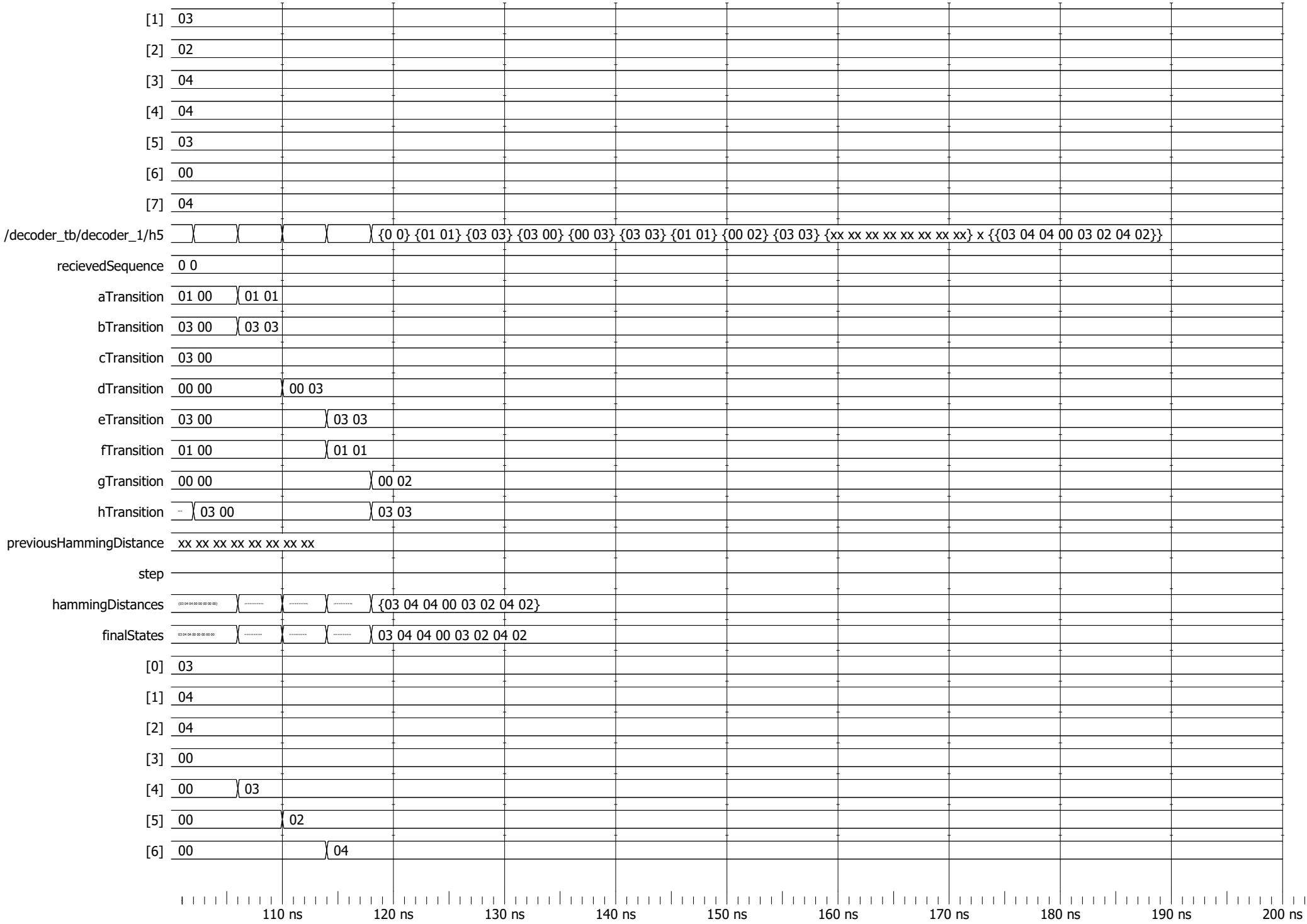
110 ns 120 ns 130 ns 140 ns 150 ns 160 ns 170 ns 180 ns 190 ns 200 ns

gTransition	00 00
hTransition	00 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{04 00 00 00 02 00 02 00}
finalStates	04 00 00 00 02 00 02 00
[0]	04
[1]	00
[2]	00
[3]	00
[4]	02
[5]	00
[6]	02
[7]	00
/decoder_tb/decoder_1/h3	{0 0} {01 01} {00 00} {02 00} {00 00} {01 01} {00 00} {00 02} {00 00} {xx xx xx xx xx xx xx xx} x {{05 02 03 02 05 00 03 04}}
recievedSequence	0 0
aTransition	01 01
bTransition	00 00
cTransition	02 00
dTransition	00 00
eTransition	01 01
fTransition	00 00
gTransition	00 02
hTransition	00 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{05 02 03 02 05 00 03 04}
finalStates	05 02 03 02 05 00 03 04

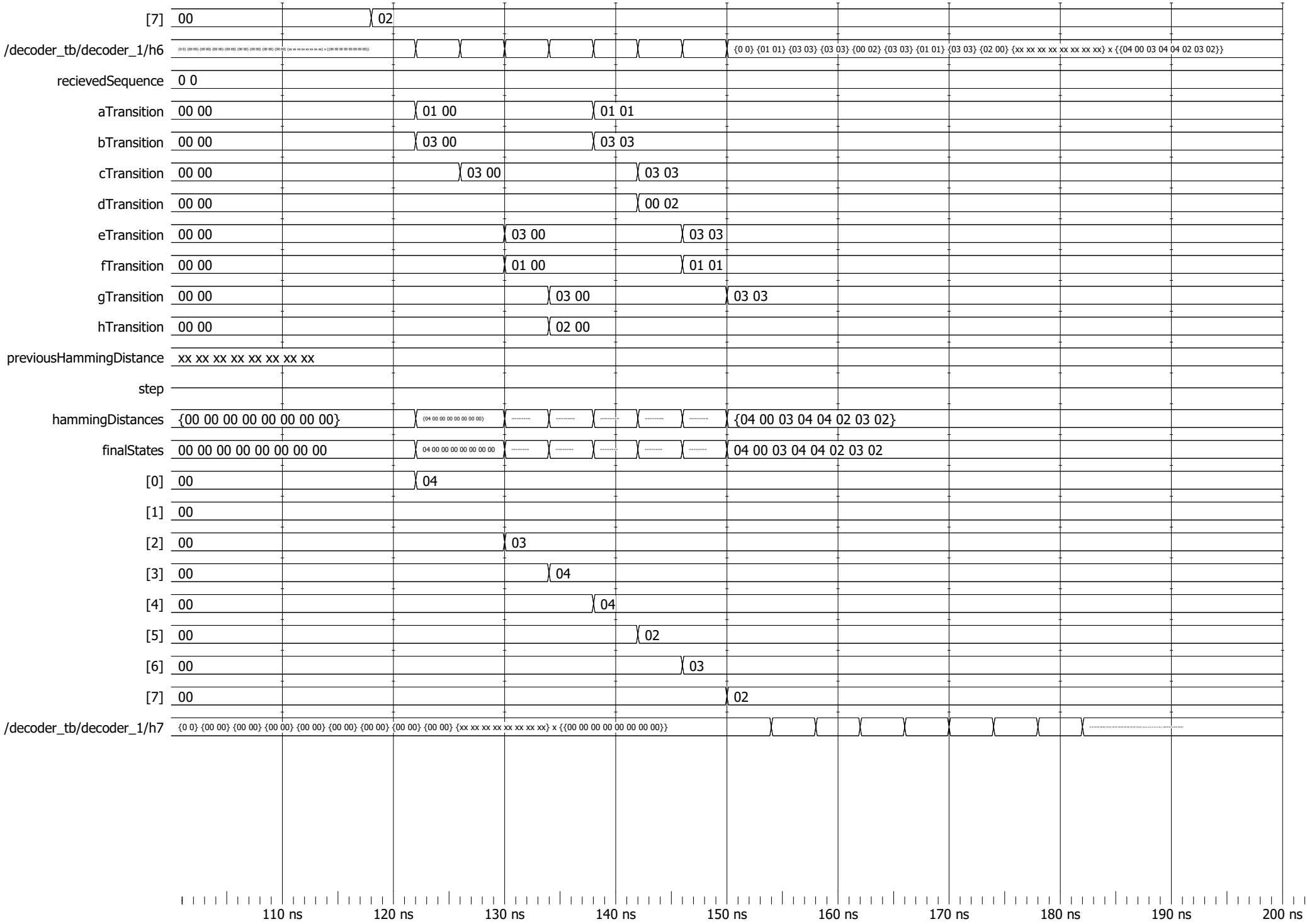
110 ns 120 ns 130 ns 140 ns 150 ns 160 ns 170 ns 180 ns 190 ns 200 ns

[0]	05
[1]	02
[2]	03
[3]	02
[4]	05
[5]	00
[6]	03
[7]	04
[4]	
[3]	
[2]	
[1]	
[0]	
/decoder_tb/decoder_1/h4	{0 0} {03 03} {00 02} {03 03} {01 01} {03 03} {02 00} {01 01} {03 03} {xx xx xx xx xx xx xx xx} x {{02 03 02 04 04 03 00 04}}
recievedSequence	0 0
aTransition	03 03
bTransition	00 02
cTransition	03 03
dTransition	01 01
eTransition	03 03
fTransition	02 00
gTransition	01 01
hTransition	03 03
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{02 03 02 04 04 03 00 04}
finalStates	02 03 02 04 04 03 00 04
[0]	02

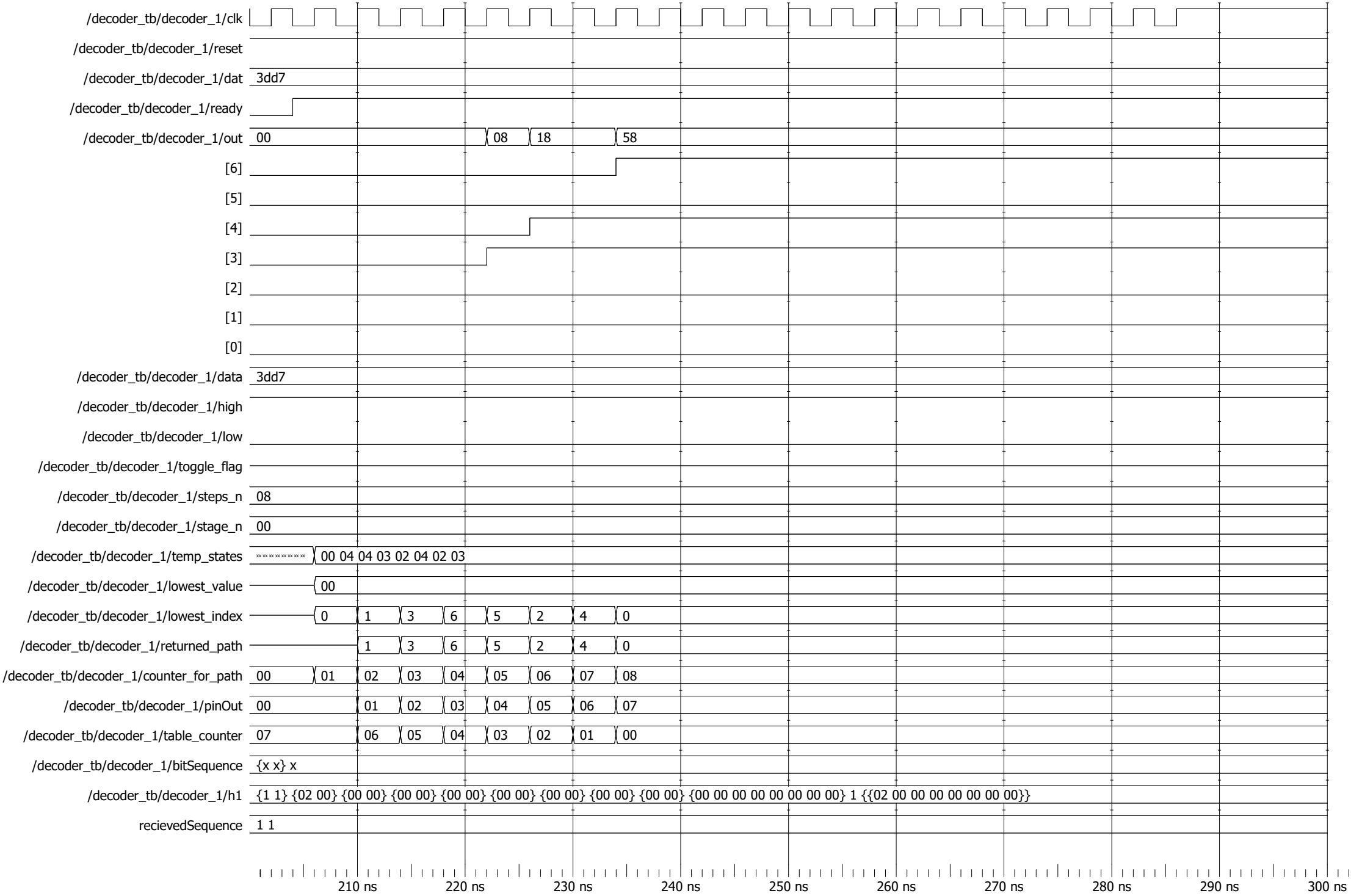
110 ns 120 ns 130 ns 140 ns 150 ns 160 ns 170 ns 180 ns 190 ns 200 ns



Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 2 Page: 11



Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 2 Page: 12



Entity:decoder_tb Architecture: Date: Thu Jun 23 03:38:10 BDT 2022 Row: 3 Page: 13

aTransition	02 00
bTransition	00 00
cTransition	00 00
dTransition	00 00
eTransition	00 00
fTransition	00 00
gTransition	00 00
hTransition	00 00
previousHammingDistance	00 00 00 00 00 00 00 00
step	1
hammingDistances	{02 00 00 00 00 00 00 00}
finalStates	02 00 00 00 00 00 00 00
[0]	02
[1]	00
[2]	00
[3]	00
[4]	00
[5]	00
[6]	00
[7]	00
/decoder_tb/decoder_1/h2	{0 0} {02 00} {00 00} {00 00} {00 00} {00 02} {00 00} {00 00} {00 00} {xx xx xx xx xx xx xx xx} x {{04 00 00 00 02 00 02 00}}
recievedSequence	0 0
aTransition	02 00
bTransition	00 00
cTransition	00 00
dTransition	00 00
eTransition	00 02
fTransition	00 00

210 ns 220 ns 230 ns 240 ns 250 ns 260 ns 270 ns 280 ns 290 ns 300 ns

gTransition	00 00
hTransition	00 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{04 00 00 00 02 00 02 00}
finalStates	04 00 00 00 02 00 02 00
[0]	04
[1]	00
[2]	00
[3]	00
[4]	02
[5]	00
[6]	02
[7]	00
/decoder_tb/decoder_1/h3	{0 0} {01 01} {00 00} {02 00} {00 00} {01 01} {00 00} {00 02} {00 00} {xx xx xx xx xx xx xx xx} x {{05 02 03 02 05 00 03 04}}
recievedSequence	0 0
aTransition	01 01
bTransition	00 00
cTransition	02 00
dTransition	00 00
eTransition	01 01
fTransition	00 00
gTransition	00 02
hTransition	00 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{05 02 03 02 05 00 03 04}
finalStates	05 02 03 02 05 00 03 04

210 ns 220 ns 230 ns 240 ns 250 ns 260 ns 270 ns 280 ns 290 ns 300 ns

[0]	05
[1]	02
[2]	03
[3]	02
[4]	05
[5]	00
[6]	03
[7]	04
[4]	
[3]	
[2]	
[1]	
[0]	
/decoder_tb/decoder_1/h4	{0 0} {03 03} {00 02} {03 03} {01 01} {03 03} {02 00} {01 01} {03 03} {xx xx xx xx xx xx xx xx} x {{02 03 02 04 04 03 00 04}}
recievedSequence	0 0
aTransition	03 03
bTransition	00 02
cTransition	03 03
dTransition	01 01
eTransition	03 03
fTransition	02 00
gTransition	01 01
hTransition	03 03
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{02 03 02 04 04 03 00 04}
finalStates	02 03 02 04 04 03 00 04
[0]	02

210 ns 220 ns 230 ns 240 ns 250 ns 260 ns 270 ns 280 ns 290 ns 300 ns

[1]	03
[2]	02
[3]	04
[4]	04
[5]	03
[6]	00
[7]	04
/decoder_tb/decoder_1/h5	{0 0} {01 01} {03 03} {03 00} {00 03} {03 03} {01 01} {00 02} {03 03} {xx xx xx xx xx xx xx xx} x {{03 04 04 00 03 02 04 02}}
recievedSequence	0 0
aTransition	01 01
bTransition	03 03
cTransition	03 00
dTransition	00 03
eTransition	03 03
fTransition	01 01
gTransition	00 02
hTransition	03 03
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{03 04 04 00 03 02 04 02}
finalStates	03 04 04 00 03 02 04 02
[0]	03
[1]	04
[2]	04
[3]	00
[4]	03
[5]	02
[6]	04

210 ns 220 ns 230 ns 240 ns 250 ns 260 ns 270 ns 280 ns 290 ns 300 ns

[7]	02
/decoder_tb/decoder_1/h6	{0 0} {01 01} {03 03} {03 03} {00 02} {03 03} {01 01} {03 03} {02 00} {xx xx xx xx xx xx xx xx} x {{04 00 03 04 04 02 03 02}}
recievedSequence	0 0
aTransition	01 01
bTransition	03 03
cTransition	03 03
dTransition	00 02
eTransition	03 03
fTransition	01 01
gTransition	03 03
hTransition	02 00
previousHammingDistance	xx xx xx xx xx xx xx xx
step	
hammingDistances	{04 00 03 04 04 02 03 02}
finalStates	04 00 03 04 04 02 03 02
[0]	04
[1]	00
[2]	03
[3]	04
[4]	04
[5]	02
[6]	03
[7]	02
/decoder_tb/decoder_1/h7	{0 0} {03 03} {00 02} {01 01} {03 03} {03 03} {02 00} {03 03} {01 01} {xx xx xx xx xx xx xx xx} x {{00 04 04 03 02 04 02 03}}

210 ns 220 ns 230 ns 240 ns 250 ns 260 ns 270 ns 280 ns 290 ns 300 ns