init

	Commitments
	cnt = 0
	msg.data = 0
	msg.status = in_frame
	s_out.sig = false

→ **idle_3**

idle_3 → frame_start_2

Assumptions	Commitments
(b_in.sig[status] == in_frame)	cnt = 3
	m_out.sig = 3
	msg.data = b_in.sig[data]
b_in.sync()	msg.status = b_in.sig[status]
	s_out.sig = true

idle_3 (self-loop)

Assumptions	Commitments
	cnt = cnt
	msg.data = msg.data
not(b_in.sync())	msg.status = msg.status
	s_out.sig = s_out.sig

idle_3 (self-loop)

Assumptions	Commitments
not((b_in.sig[status] == in_frame))	cnt = cnt
	msg.data = b_in.sig[data]
b_in.sync()	msg.status = b_in.sig[status]
	s_out.sig = false

frame_start_2 → frame_data_0

Assumptions	Commitments
	cnt = 15
	msg.data = msg.data
(cnt == 1)	msg.status = msg.status
	s_out.sig = s_out.sig

frame_start_2 (self-loop)

Assumptions	Commitments
	cnt = (-1 + cnt)
	m_out.sig = (-1 + cnt)
	msg.data = msg.data
not((cnt == 1))	msg.status = msg.status
	s_out.sig = s_out.sig

frame_data_0 (self-loop)

Assumptions	Commitments
b_in.sync()	cnt = cnt
	msg.data = b_in.sig[data]
b_in.sync()	msg.status = b_in.sig[status]
	s_out.sig = s_out.sig

frame_data_0 (self-loop)

Assumptions	Commitments
	cnt = (-1 + cnt)
not((cnt == 0))	m_out.sig = msg.data
	msg.data = msg.data
not(b_in.sync())	msg.status = msg.status
	s_out.sig = s_out.sig

frame_data_0 → idle_3

Assumptions	Commitments
	cnt = (-1 + cnt)
(cnt == 0)	m_out.sig = msg.data
	msg.data = msg.data
not(b_in.sync())	msg.status = msg.status
	s_out.sig = false