

Given $BA(s, m)$
 Sender \leftarrow \rightarrow message

want to implement IC
 $IC(\vec{s}, \vec{v})$

$$\vec{s} = (s_1, s_2, \dots, s_N)$$

$$\vec{v} = (v_1, v_2, \dots, v_N)$$

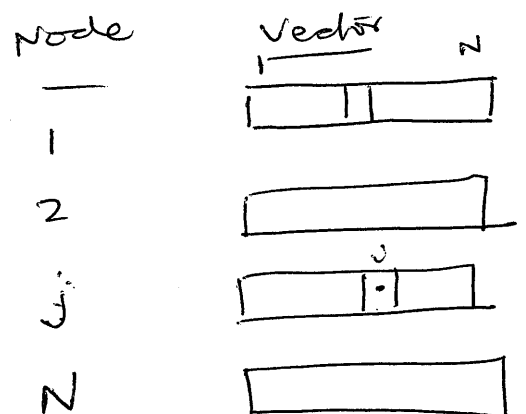
For process s_j

for $(i=1 \text{ to } N)$

$$\vec{v}_j[i] = BA(s_i, v_i)$$

\leftarrow
 value at node j
 vector position i

Repeat this for every
 process s_1, \dots, s_N



Each BA takes 10 time units
 100 processes
 Total time for our IC ≈ 10

Non-authenticated messages

$$n \geq 3m + 1$$

