

## fifoSender-encoding<sup>11,40</sup>

$$\begin{aligned} & \forall es:ES, ff:FIFO, i:ff.C, e:\{e:E \mid ff.R(i,e)\}, j:\{j:ff.C \mid ff.S(j,i,ff.Sender(i,e))\}. \\ & (\forall i, j:ff.C, e:E. Dec(ff.S(i,j,e))) \\ \Rightarrow & (ff.Decodes(i,e,(state \text{ when } e)) \\ & = \\ & ff.Codes(j,i,ff.Sender(i,e),(state \text{ when } ff.Sender(i,e))) \\ & \in ff.T) \end{aligned}$$