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Booleans

$$\begin{aligned}
\text{True} &\stackrel{\text{def}}{=} (l).l(t,f).\bar{t}\langle\rangle \\
\text{False} &\stackrel{\text{def}}{=} (l).l(t,f).\boxed{} \\
\text{Cond}(P,Q) &\stackrel{\text{def}}{=} (l).(\boldsymbol{\nu} tf)\,\bar{l}\langle t,f\rangle.(\ \boxed{} + \boxed{}\ )
\end{aligned}$$

Check that for all P, Q:

$$(\boldsymbol{\nu} l)\ \big(\text{True}\langle\, l\,\rangle | \text{Cond}(P,Q)\langle\, l\,\rangle\big) \approx P$$

Elastic Buffers: Guideline

- cut-when left $\stackrel{?}{\approx}$ cut-when-right !
- pencil & paper (PP) vs MWB :
  check state spaces !
- omit values of i and o : consequences for $\stackrel{?}{\approx}$
- omit growing part : consequences for $\stackrel{?}{\approx}$
- PP vs MWB :
  check the non-growing processes

Elastic Buffers: cut-when-left

$$\begin{aligned}
B &\stackrel{\text{def}}{=} (i,l,o,r). \\
&\qquad i().C\langle\, i,l,o,r\,\rangle \\
&\quad + \ \ldots \\
C &\stackrel{\text{def}}{=} (i,l,o,r). \\
&\qquad \bar{o}\langle\rangle.B\langle\, i,l,o,r\,\rangle \\
&\quad + \ i().\big(\ (C \frown C)\langle\, i,l,o,r\,\rangle\ \big) \\
&\quad + \ \ldots
\end{aligned}$$