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Booleans

$$\text{True} \stackrel{\text{def}}{=} (l).l(t, f).\bar{t}\langle \rangle$$

$$\text{False} \stackrel{\text{def}}{=} (l).l(t, f).\boxed{}$$

$$\text{Cond}(P, Q) \stackrel{\text{def}}{=} (l).(\nu t f)\bar{l}\langle t, f \rangle.(\boxed{} + \boxed{})$$

Check that for all P, Q :

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

Elastic Buffers: Guideline

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

Elastic Buffers: cut-when-left

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