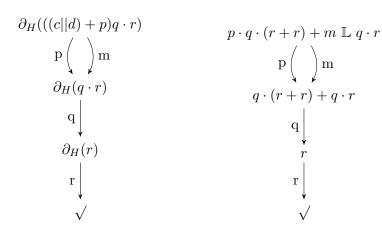
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Arne Struck, Tronje Krabbe

26. Januar 2014

13.4. 1.



Bisimulations relation:

$$\begin{array}{rcl} \partial_H(((c||d)+p)q\cdot r) & = & p\cdot q\cdot (r+r)+m \; \mathbb{L} \; q\cdot r \\ \partial_H(q\cdot r) & = & q\cdot (r+r)+q\cdot r \\ \partial_H(r) & = & r \end{array}$$

2.

3.
$$\partial_{H}(((c||d) + p)q \cdot r) \stackrel{\gamma}{=} \partial_{H}((m+p)q \cdot r)$$
$$= \partial_{H}((m+p)q \cdot r)$$
$$= \partial_{H}(p \cdot q \cdot r + m \cdot q \cdot r)$$
$$= p \cdot q \cdot r + m \mathbb{L} q \cdot r$$
$$= p \cdot q \cdot (r+r) + m \mathbb{L} q \cdot r \square$$