

unchanged-for^{11,40}

$$\begin{aligned} & (x \text{ unchanged-for } t @ e) \\ \equiv_{\text{def}} & (\uparrow x \text{ changed before } e) \\ & \Rightarrow \text{ql}((\text{es-time}(es; (\text{last change to } x \text{ before } e)) + t); \text{es-time}(es; e)) \end{aligned}$$

clarification:

$$\begin{aligned} & \text{unchanged-for}\{i:l\} \\ & \quad (T; eq; es; x; t; e) \\ \equiv_{\text{def}} & (\uparrow \text{changed}\{i:l\} \\ & \quad (T; eq; es; x; e)) \\ & \Rightarrow \text{ql}((\text{es-time}(es; \text{last-change}\{i:l\}(T; eq; es; x; e)) + t); \text{es-time}(es; e)) \end{aligned}$$