

d-realizes^{11,40}

D realizes es . $P(es)$
 $\equiv_{\text{def}} \forall D': \text{Dsys}. D \subseteq D' \Rightarrow (\forall w: \text{World}, p: \text{FairFifo}. \text{PossibleWorld}(D'; w) \Rightarrow P(\text{ES}(w)))$

clarification:

$\text{d-realizes}\{i:l\}$
 $(D; es.P(es))$
 $\equiv_{\text{def}} \forall D': \text{dsys}\{i:l\}.$
 $\text{d-sub}\{i:l\}$
 $(D; D')$
 $\Rightarrow (\forall w: \text{world}\{i:l\}, p: \text{fair-fifo}\{i:l\}(w).$
 $\text{possible-world}\{i:l\}(D'; w) \Rightarrow P(\text{w-es}\{i:l\}(w; p)))$