

Hiding operation for sign. :

$$\Sigma' \subseteq \text{out}(s)$$

$$\text{hide}_{\Sigma'}(s) = s'$$

$$\text{in}(s') = \text{in}(s)$$

$$\text{out}(s') = \text{out}(s) - \Sigma'$$

$$\text{int}(s') = \text{int}(s) \cup \Sigma'$$

$$A' = \text{hide}(A)$$

$$\text{sig}(A') = \text{hide}_{\Phi}(\text{sig } A)$$

$$\Phi \subseteq \text{out}(A)$$

Fairness

Event : occurrence of an action in a sequence

If α is an exec. frag of A it is said to be fair if the following properties hold for each class $C \in \text{tasks}(A)$.

- $\alpha \rightarrow$ finite, then C is not enabled in the last state

- $\alpha \rightarrow$ infinite, α contains infinitely many events from C or it has infinitely many occurrences of states in which C is not enabled.

$f_{\text{airexecs}}(A)$ - set of fair execs.
of A

$f_{\text{airtraces}}(A)$ - similar

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pg 213 - examp. 8.3.2

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