

```
1.  function action( $\Delta, \rho$ ) returns an action
2.  begin
3.      for each  $a \in A$  do
4.          if  $\Delta \vdash_{\rho} Do(a)$  then
5.              return  $a$ 
6.          end-if
7.      end-for
8.      for each  $a \in A$  do
9.          if  $\Delta \not\vdash_{\rho} \neg Do(a)$  then
10.             return  $a$ 
11.          end-if
12.      end-for
13.      return null
14. end function action
```