
Algorithm 1 State convergence restrictions discovery

```
1: function SCRDISCOVER( $T$ )  $\triangleright T$ : the set of shadow operations of the target system
2:    $R \leftarrow \{\}$   $\triangleright R$ : the restriction set
3:   for  $i \leftarrow 0$  to  $|T| - 1$  do
4:     for  $j \leftarrow i$  to  $|T| - 1$  do
5:       if  $T_i$  do not commute with  $T_j$  then
6:          $R \leftarrow R \cup \{r(T_i, T_j)\}$ 
7:       end if
8:     end for
9:   end for
10:   return  $R$ 
11: end function
```
