Algorithm 4 Restriction set discovery

1: **function** DISCOVER(T) ▷ T: the set of shadow operations of the target system
2:   $R \leftarrow \{\}$ ▷ the set of restrictions we identify
3:   $R \leftarrow R \cup \text{SCRDISCOVER}(T)$ ▷ Identify restrictions ensuring state convergence
4:   $R \leftarrow R \cup \text{IPRDISCOVER}(T, R)$ ▷ Identify restrictions ensuring invariant preservation
   return R
5: **end function**