

```

1: for  $i = 0$  to  $|D| - 1$  do
2:   for  $j = 0$  to  $|D| - 1$  do
3:      $R_{ij}^{-1} = \{a | \delta(d_i, a) = d_j\}$ 
4:     if  $i = j$  then
5:        $R_{ij}^{-1} = R_{ij}^{-1} \setminus \{\epsilon\}$ 
6:     end if
7:   end for
8: end for
9: for  $k = 0$  to  $|D| - 1$  do
10:  for  $i = 0$  to  $|D| - 1$  do
11:   for  $j = 0$  to  $|D| - 1$  do
12:    ▷ 由 $i$ 到 $j$ 且不经由编号大于 $k$ 的状态的路径, 可以由两种路径组成: 要么经过 $k$ , 要么不经过 $k$ 
13:     $R_{ij}^k = R_{ik}^{k-1}(R_{kk}^{k-1}) * R_{kj}^{k-1} \setminus R_{ij}^{k-1}$ 
14:   end for
15: end for
16: end for
17:  $L = \bigcup_{s_j \in D_A} R_{0j}^{|D|-1}$ 

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