

```

1: procedure LR()
2:   PUSH($,$0)  ▷ PUSH(S, Astate): 向栈 S 中压入符号 A, 并将状态设为
   state
3:   token ← NEXT-TOKEN()
4:   while (1) do
5:     s ← TOP(S)
6:     if ACTION[s, token] = si then                                ▷ 移入
7:       PUSH(S, tokeni)
8:       token ← NEXT-TOKEN()
9:     else if ACTION[s, token] = rj then                                ▷ 归约; j : A → α
10:      |α| 次 POP(S)
11:      s ← TOP(S)
12:      PUSH(S, AGOTO[s, A])
13:     else if ACTION[s, token] = acc then                                ▷ 接受
14:       break
15:     else
16:       ERROR(...)

```