```
1
    Input/Output:
2
3
        | - | + | * | / | i |
4
5
     - | = | < | < | < | < |
6
    -----
7
     + | > | = | < | < | < |
8
9
     * | > | = | < | < |
10
      / | > | > | = | < |
11
    -----
12
13
      i | > | > | = |
14
    -----
    Enter the number of productions:
15
16
    3
17
18
    Enter the productions:
19
    Ε
20
    ->
21
    а
22
23
    Ε
24
    ->
25
    E+E
26
27
    Ε
28
    ->
29
    (E)
30
31
    Enter the input string:
32
    (a+a)+a
33
34
    ACTION
               STACK
                         INPUT
35
                  (a+a)+a$
36
    shift (
                     a+a)+a$
37
    shift a
               (a
                      +a)+a$
38
    Reduced E->a
                  (E
                         +a)+a$
39
    shift +
               (E+
                      a)+a$
40
    shift a
               (E+a
                          )+a$
41
    Reduced E->a
                 (E+E
                             )+a$
42
    Reduced E->E+E (E
                          )+a$
43
    shift )
              (E)
                      +a$
44
    Reduced E \rightarrow (E) E
                         +a$
45
    shift +
              E+
                      a$
46
    shift a
               E+a
                      $
47
    Reduced E->a
                  E+E
48
    Reduced E->E+E E
49
50
51
        String accepted
52
53
```