Program Output:

```
GRAMMAR is -
E -> T + T
T -> T * F
F -> i
Input string is: i*i+i
Stack
        Input Action
       i*i+i$ SHIFT
$
$i
        *i+i$ REDUCE TO F -> i
$F
        *i+i$ REDUCE TO T -> F
        *i+i$ SHIFT
$T
         i+i$ SHIFT
$T*
         +i$ REDUCE TO F -> i
$T*i
          +i$ REDUCE TO T -> T * F
$T*F
$T
          +i$ SHIFT
           i$
$T+
               SHIFT
            $
$T+i
               REDUCE TO F -> i
            $
               REDUCE TO T -> F
$T+F
            $
               REDUCE TO E -> T + T
$T+T
$E
            $
               Accept
```