Design a reverse polish notation calculator (a calculator using postfix operators) using flex and bison. Allowed operators are '+', '-', '\*','/' and '^'.  `n' will indicate unary minus i.e. 4 n in reverse polish will indicate -4 whereas `-` is binary operator i.e. 4 5 - is equal to 4-5. Consider single digit and double digit numbers only. In input, there will be a space after each digit or operator. If you do not follow proper input format you will be given 0 marks.  
  
Give the file name as <reg no>.t1.zip.  
  
/\* Flex Code \*/  
/\* Bison Code \*/  
/\* Make file content \*/  
  
  
Sample Input-output (input only reverse polish notation; Corresponding infix notation given inside square bracket is for your understanding only):  
  
4  49  +  [corresponding to infix expression 4+49]  
53  
  
3  7  +  3  4  5  \*  +  -  [corresponding to infix expression:  (3+7) - (3+ (4\*5))    ]  
-13  
  
  
3  7  +  3  4  5  \*  +  -  n              Note the unary minus, `n'   [corresponding to infix expression: -( (3+7) - (3+ (4\*5)))  ]  
13  
  
  
5   6   /   14   n   +     [corresponding to infix expression: ( (5/6) + (-14))  ]  
-13.166666667  
  
3   4   ^                            [Exponentiation 3^4]  
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