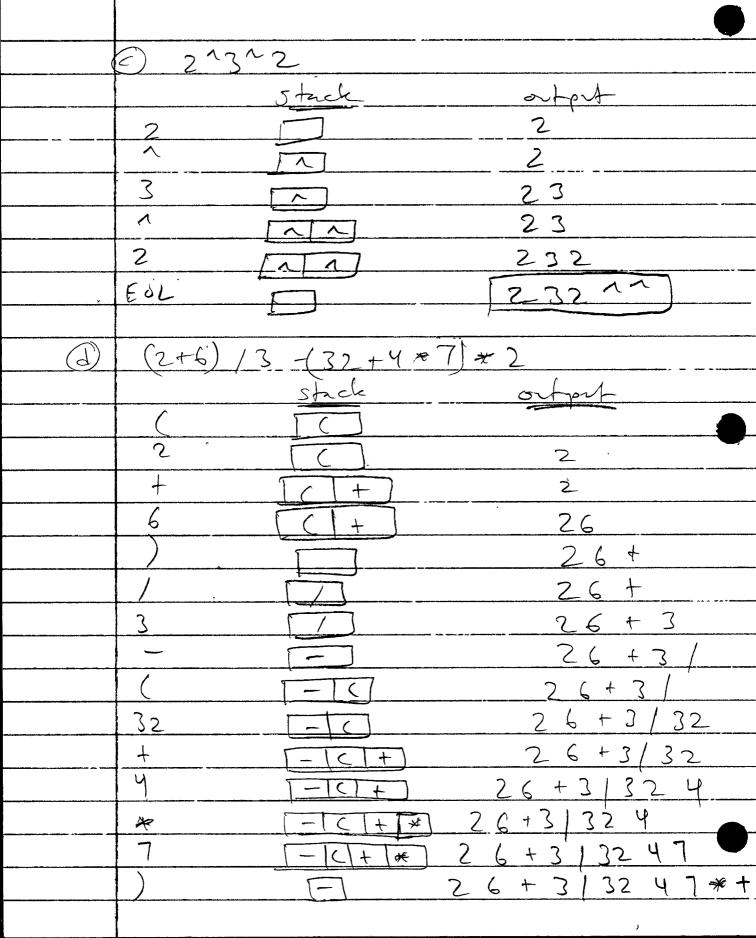
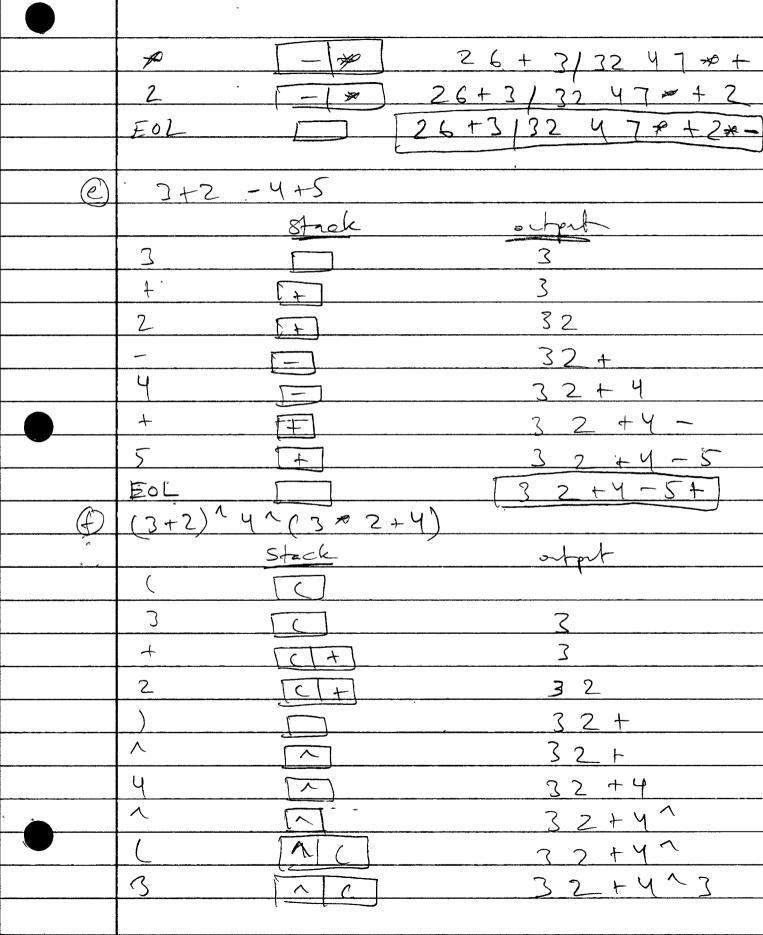
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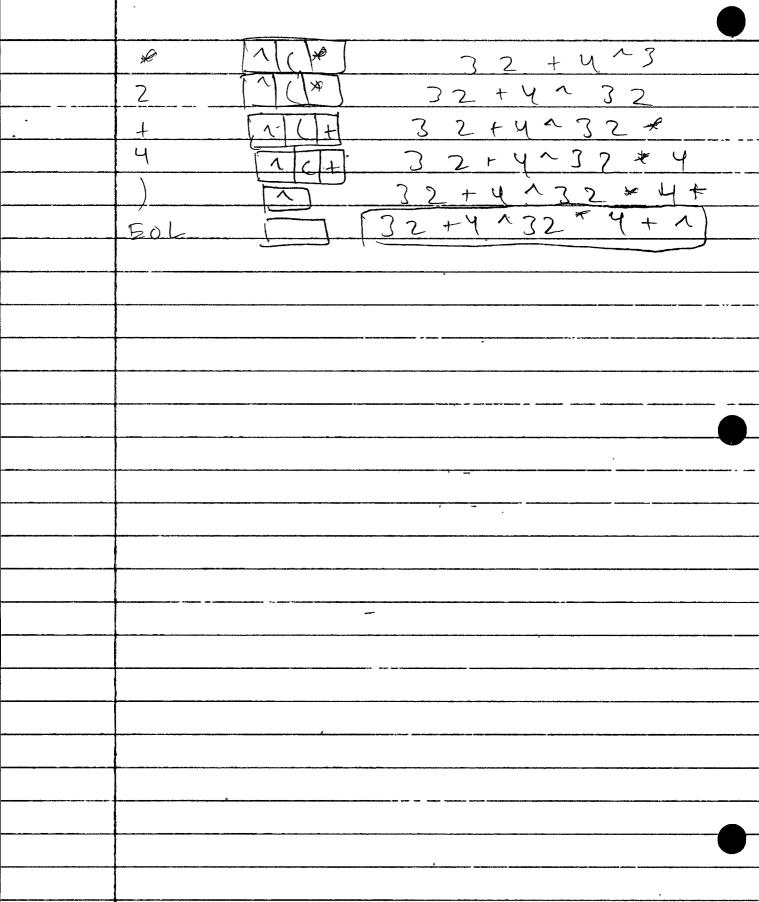
Mohammed Tabid Chowshiry HW#8 Watter mtc405@nyv.edu. (1) (9) $1-2+3^{2}$ Stack poped EOL stack POP EVERYThing EOL

page 2



Page 3





Input Stack

Input Stack

Input Stack

d)
$$43 + 2 * 1 -$$

```
Input
         Stack
4
         4
3
         43
         7
+
2
         7 2
          14
          14 1
1
          13
e) 35 * 1 + 4/6 +
Input
        Stack
3
        3
5
        3 5
        15
        15 1
1
        16
4
        164
        4
6
        46
        10
+
3.
enum TokenType { EOL, VALUE, OPAREN, CPAREN, EXP, MOD, MULT, DIV, PLUS,
MINUS };
vector PREC_TABLE =
\{0, -1\}, \{0, 0\}, // EOL, VALUE
\{\ 100,\ 0\ \},\ \{\ 0,\ 99\ \},\ /\!/\ OPAREN,\ CPAREN
{ 6, 5 }, // EXP
{ 3, 4 }, { 3, 4 }, { 3, 4 }, // MOD, MULT, DIV
{ 1, 2 }, { 1, 2 } // PLUS, MINUS
};
4.
Output:
4
4
Stack (top to bottom): DIV PLUS EOL
```

5)

- a)*
- b)-
- c)4,5,8,3
- d)*,+,-
- e)1
- f)2
- g)7
- h)4, -
- i)+
- j) (((5-8) + 4)*3)
- k) * + 4 583
- 1) 58-4+3*

6. O(h)

