

c) $3 + 2 - 4 + 5$

$$\left[\begin{array}{c} \\ \text{op} \end{array} \right] 3 \rightarrow \left[\begin{array}{c} 1 \\ \text{op} \end{array} \right] 3 \rightarrow \left[\begin{array}{c} 1 \\ \text{op} \end{array} \right] 32 \rightarrow \left[\begin{array}{c} - \\ \text{op} \end{array} \right] 32+ \rightarrow \left[\begin{array}{c} 1 \\ \text{op} \end{array} \right] 32+4 \rightarrow \left[\begin{array}{c} 1 \\ \text{op} \end{array} \right] 32+4-$$

$$\left[\begin{array}{c} + \\ \text{op} \end{array} \right] 32+4-5 \rightarrow \left[\begin{array}{c} \\ \text{op} \end{array} \right] 32+4-5+$$

f) $(3+2) \wedge 4 \wedge (3 * 2+4)$

$$\left[\begin{array}{c} \text{c} \\ \text{op} \end{array} \right] 3 \rightarrow \left[\begin{array}{c} + \\ \text{c} \\ \text{op} \end{array} \right] 3 \rightarrow \left[\begin{array}{c} + \\ \text{c} \\ \text{op} \end{array} \right] 32 \rightarrow \left[\begin{array}{c} \text{pop when } () \\ \text{c} \\ \text{op} \end{array} \right] 32+ - \left[\begin{array}{c} \wedge \\ \text{op} \end{array} \right] 32+$$

$$\rightarrow \left[\begin{array}{c} \wedge \\ \text{op} \end{array} \right] 32+4 \rightarrow \left[\begin{array}{c} \wedge \\ \wedge \\ \text{op} \end{array} \right] 32+4 \rightarrow \left[\begin{array}{c} \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge \rightarrow \left[\begin{array}{c} \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge 3 \rightarrow \left[\begin{array}{c} * \\ \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge 3$$

$$\rightarrow \left[\begin{array}{c} * \\ \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge 32 \rightarrow \left[\begin{array}{c} + \\ \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge 32 * \rightarrow \left[\begin{array}{c} + \\ \text{c} \\ \wedge \\ \text{op} \end{array} \right] 32+4 \wedge 32 * 4$$

$$\rightarrow \left[\begin{array}{c} \text{EOF} \end{array} \right] 32+4 \wedge 32 * 4 \wedge$$

2a) $42 + 33 \wedge -$

$$\left[\begin{array}{c} 2 \\ 4 \end{array} \right] + \rightarrow \left[\begin{array}{c} 1 \\ 6 \end{array} \right] 2+4 \rightarrow \left[\begin{array}{c} 3 \\ 6 \end{array} \right] \rightarrow \left[\begin{array}{c} 3 \\ 3 \\ 6 \end{array} \right] 3 \wedge \rightarrow \left[\begin{array}{c} \\ \end{array} \right] 6-3^3$$

b) $32 \wedge 32 * -$

$$\left[\begin{array}{c} 2 \\ 3 \end{array} \right] \rightarrow \left[\begin{array}{c} \\ \end{array} \right] 3^2 \rightarrow \left[\begin{array}{c} 2 \\ 3 \\ 3^2 \end{array} \right] \rightarrow \left[\begin{array}{c} 2 \\ 3 \end{array} \right] 3 * 2 \rightarrow \left[\begin{array}{c} \\ \end{array} \right] 3^2 - 3 * 2$$