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9. b.  $((a * (b-1)^1)^2 / c)^3 \bmod d)^4$

c.  $((a-b)^1 / c)^2 \& (((d * e)^3 / a)^4 - 3)^5)^6$

10. b.  $(a * ((b-1)^2 / (c \bmod 1)^1)^3)^4$

c.  $((a-b)^5 / (c \& (d * (e / (a-3)^1)^2)^3)^4)^6$

11.  $\langle \text{expr} \rangle \rightarrow \langle \text{expr} \rangle \text{ or } \langle S_1 \rangle \mid \langle \text{expr} \rangle \text{ xor } \langle S_1 \rangle \mid \langle S_1 \rangle$

$\langle S_1 \rangle \rightarrow \langle S_1 \rangle \text{ and } \langle S_2 \rangle \mid \langle S_2 \rangle$

$\langle S_2 \rangle \rightarrow \langle S_2 \rangle = \langle S_3 \rangle \mid \langle S_2 \rangle \neq \langle S_3 \rangle \mid \langle S_2 \rangle < \langle S_3 \rangle \mid$

$\langle S_2 \rangle \leq \langle S_3 \rangle \mid \langle S_2 \rangle > \langle S_3 \rangle \mid \langle S_2 \rangle > \langle S_3 \rangle \mid \langle S_3 \rangle$

$\langle S_2 \rangle \rightarrow \langle S_2 \rangle + \langle S_4 \rangle \mid \langle S_3 \rangle - \langle S_4 \rangle \mid \langle S_3 \rangle \& \langle S_4 \rangle \mid$

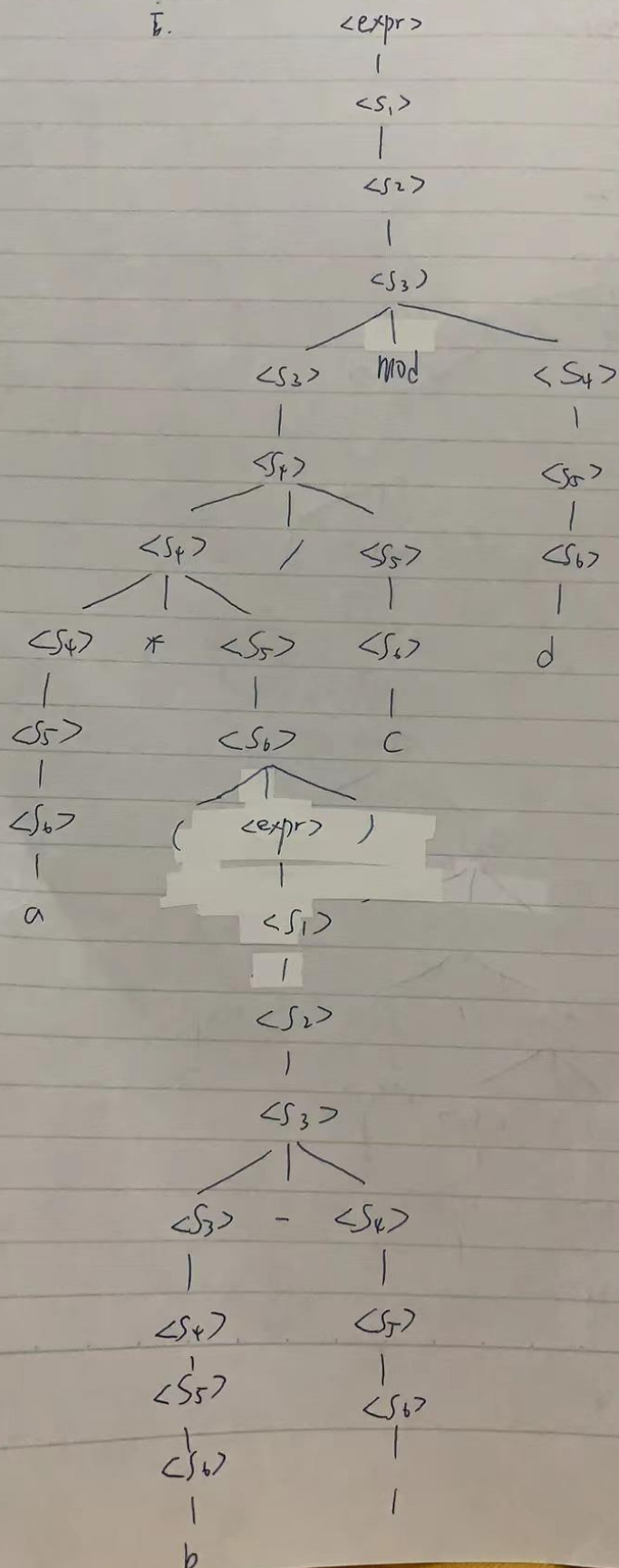
$\langle S_3 \rangle \bmod \langle S_4 \rangle \mid \langle S_4 \rangle$

$\langle S_4 \rangle \rightarrow \langle S_4 \rangle * \langle S_5 \rangle \mid \langle S_4 \rangle / \langle S_5 \rangle \mid \langle S_5 \rangle$

$\langle S_5 \rangle \rightarrow \text{not } \langle S_6 \rangle \mid - \langle S_6 \rangle$

$\langle S_6 \rangle \rightarrow a \mid b \mid c \mid d \mid e \mid \langle \text{expr} \rangle \mid \text{const}$

7.



c.  $(a-b)/c \& (d * e / a - 3)$

