

課題

- 次の文法を用いて, $2 - 2^{(3+1)} + 4^3 * 2$ の構文解析木を書け

$\text{expr} \rightarrow \text{expr} + \text{term} \mid \text{expr} - \text{term} \mid \text{term}$

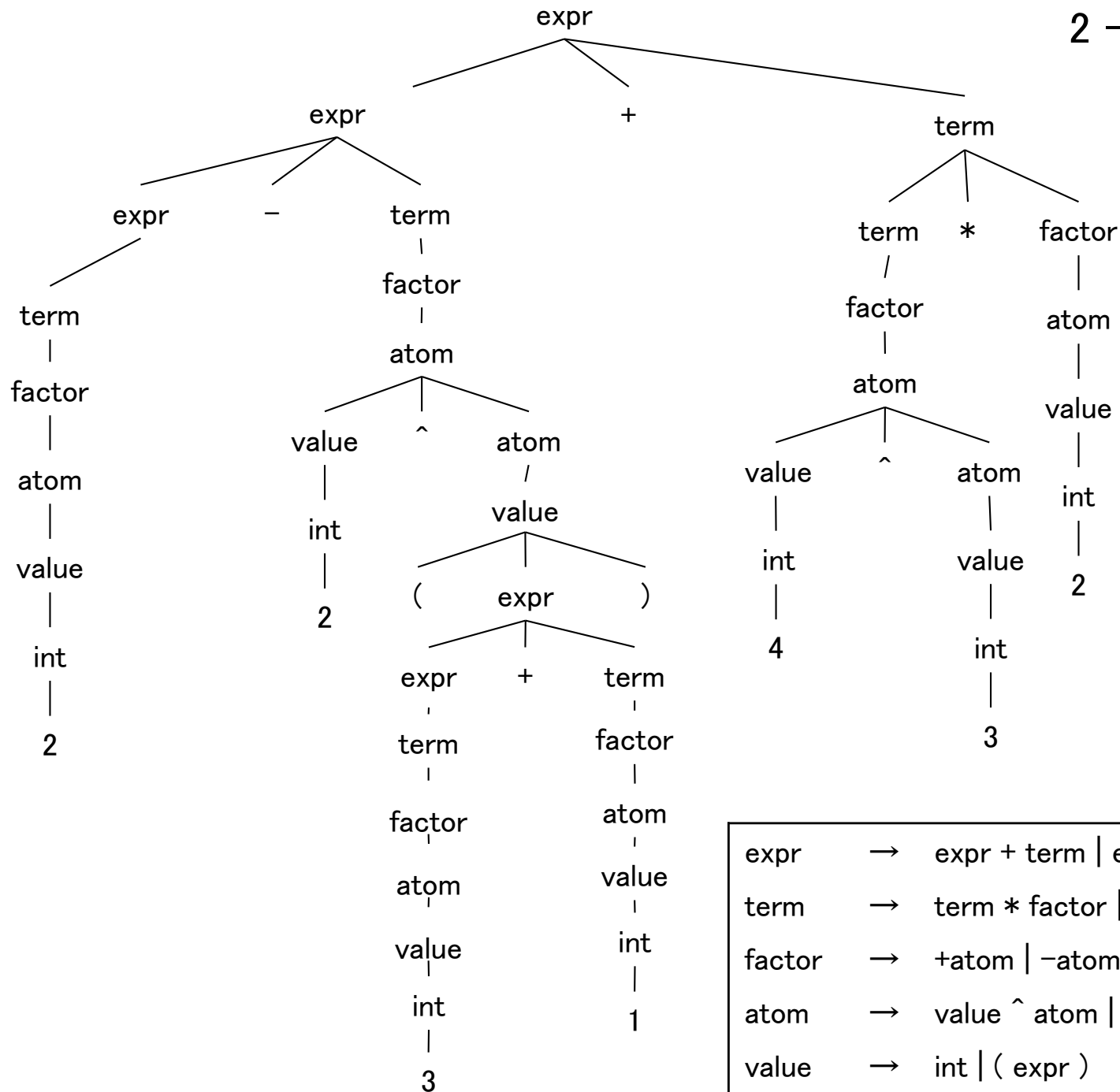
$\text{term} \rightarrow \text{term} * \text{factor} \mid \text{term} / \text{factor} \mid \text{factor}$

$\text{factor} \rightarrow +\text{atom} \mid -\text{atom} \mid \text{atom}$

$\text{atom} \rightarrow \text{value} ^ \text{atom} \mid \text{value}$

$\text{value} \rightarrow \text{int} \mid (\text{expr})$

$$2 - 2^{(3+1)} + 4^3 * 2$$



expr	→	expr + term expr - term term
term	→	term * factor term / factor factor
factor	→	+atom -atom atom
atom	→	value ^ atom value
value	→	int (expr)