

Annotated parse tree

Example: Let's take a grammar,

$$L \rightarrow E_n$$

$$E \rightarrow E + T$$

$$E \rightarrow T$$

$$T \rightarrow T * F$$

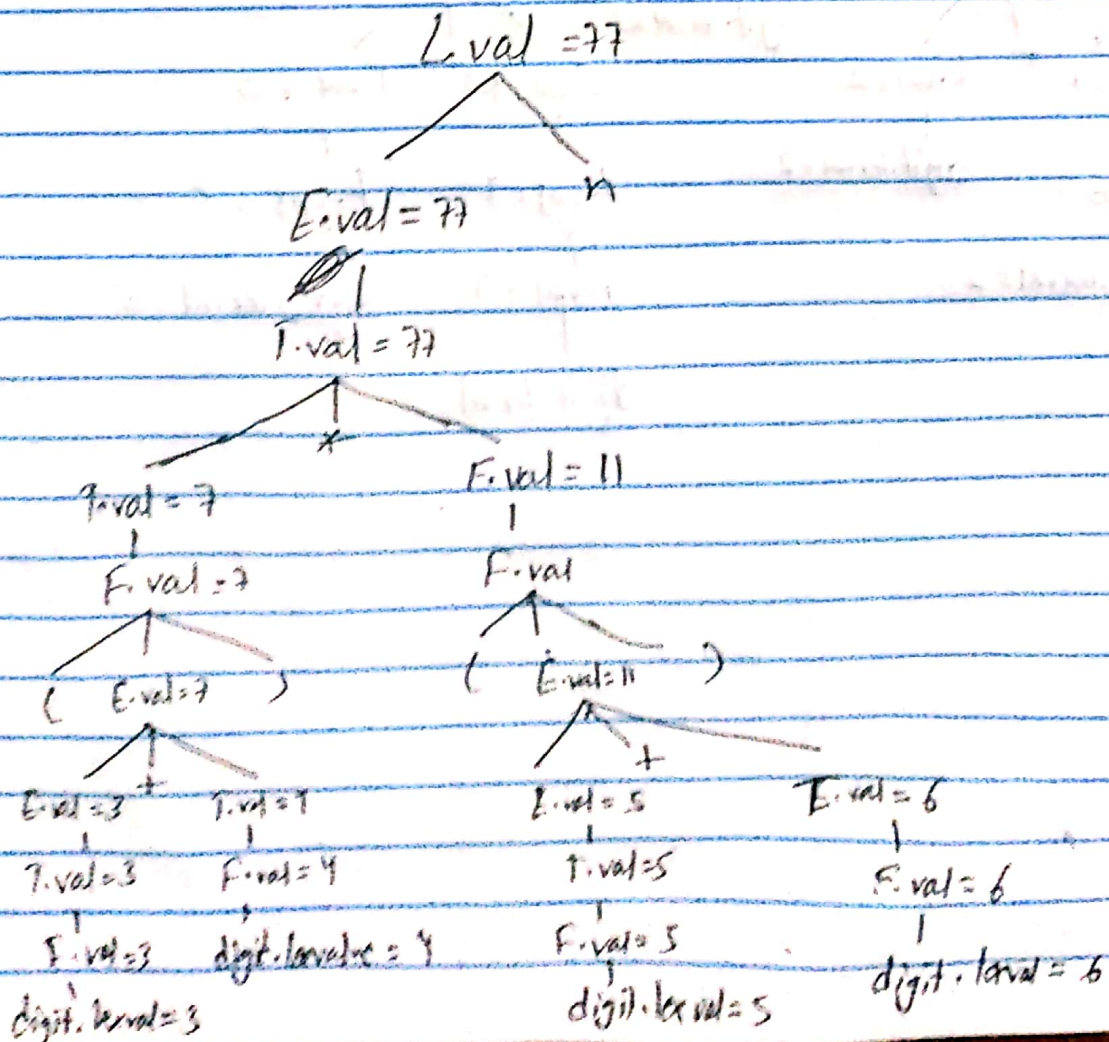
$$T \rightarrow F$$

$$F \rightarrow (E)$$

$$F \rightarrow \text{digit}$$

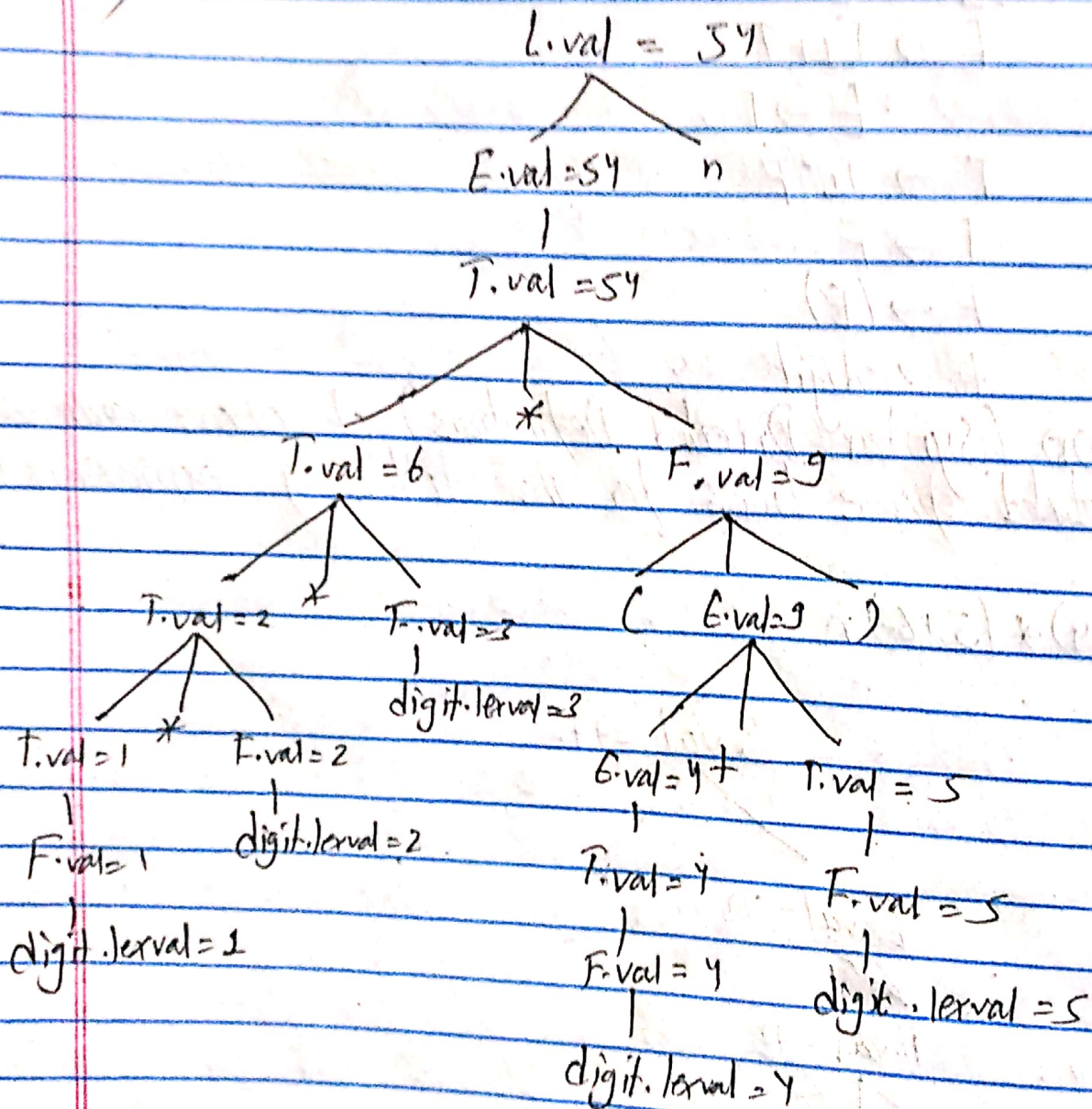
For the SDD (Syntax-Directed Definitions) of above grammar, give annotated parse trees for the following expressions:

a) $(3+4) * (5+6)_n$



9) $1 * 2 * 3 * (4 + 5) n$

⇒



c) $(9 + 8 * (7 + 6) + 5) * 4n$

