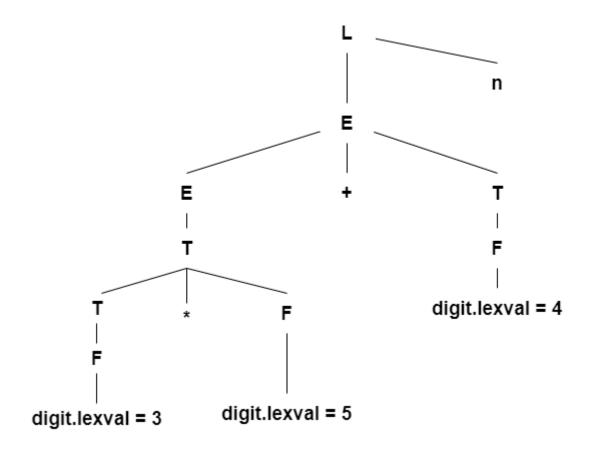
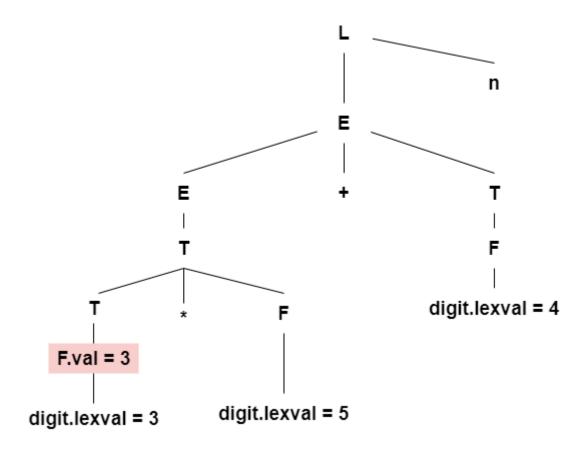
SDD & SDT

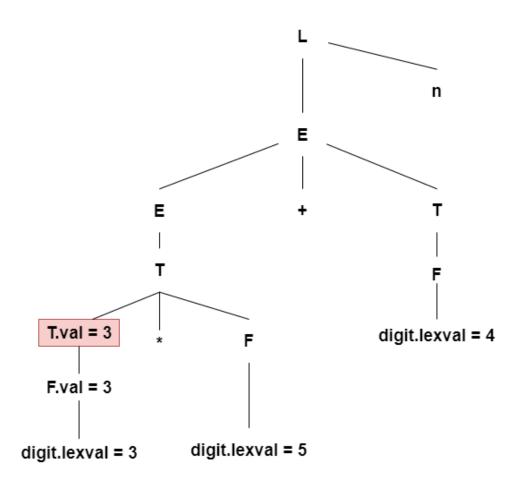
SDD for desk calculator/SDD for evaluation of expressions

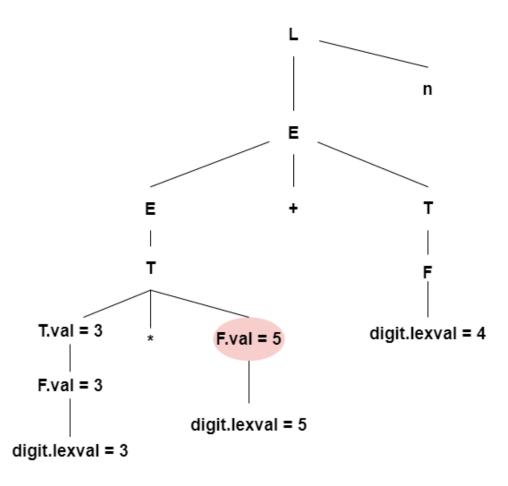
SDD to evaluate the expression 3*5+4n using the bottom up Approach

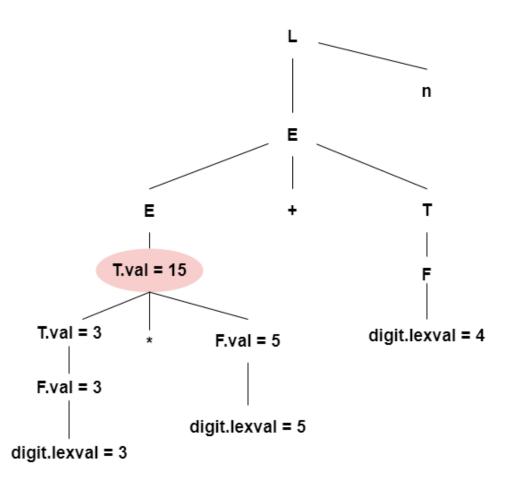
	PRODUCTION	SEMANTIC RULES
1)	L→E n	L.val = E.val
2)	$E \rightarrow E_I + T$	$E.val = E_1.val + T.val$
3)	$E \rightarrow T$	E.val = T.val
4)	$T \rightarrow T_1 * F$	$T.val = T_1.val \times F.val$
5)	$T \rightarrow F$	T. val = F. val
6)	$F \rightarrow (E)$	F.val = E.val
7)	$F \rightarrow \mathbf{digit}$	F.val = digit.lexval
SSD for a desk calculator		

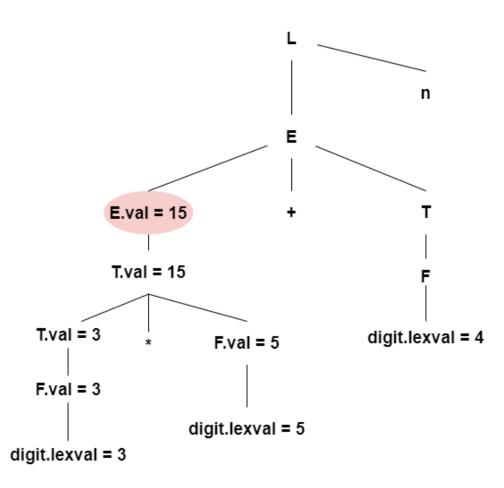


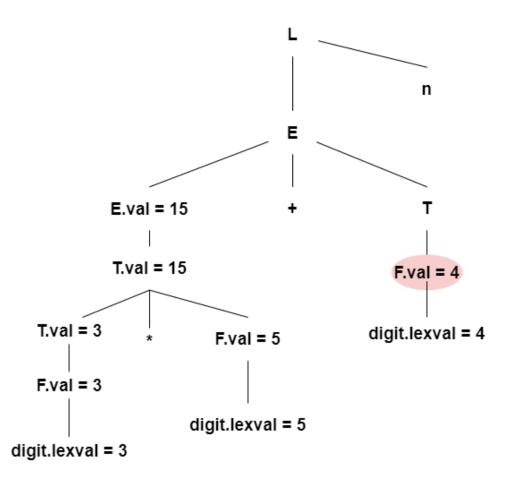


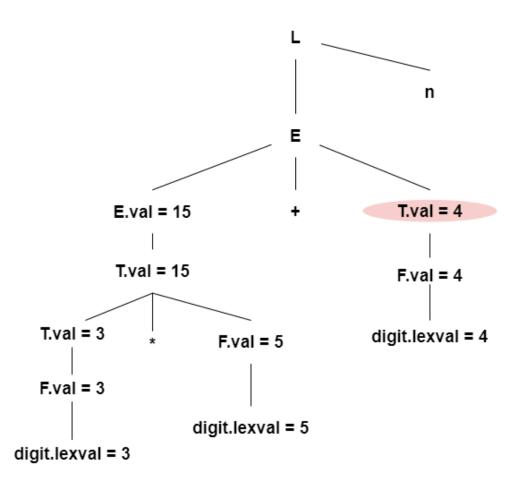


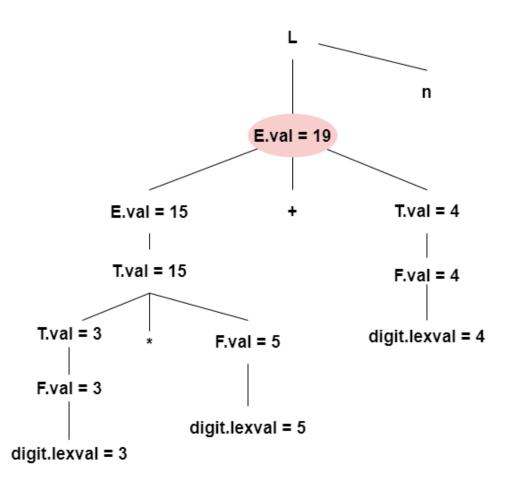


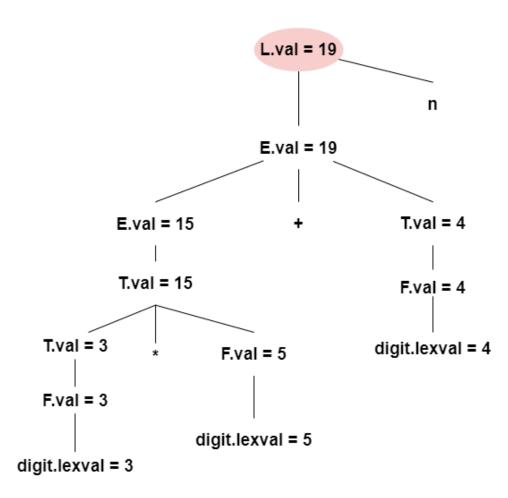












Q:SDT to evaluate the expression 4 +5/6 using the bottom up Approach

S> E	Print(E.val)
E> E ₁ + T	E.val = E ₁ .val + T.val
E> T	E.val = T.val
T> T ₁ * F	T.val = T ₁ .val * F.val
T> F	T.val = F.val
F> digit	F.val = digit.lexval