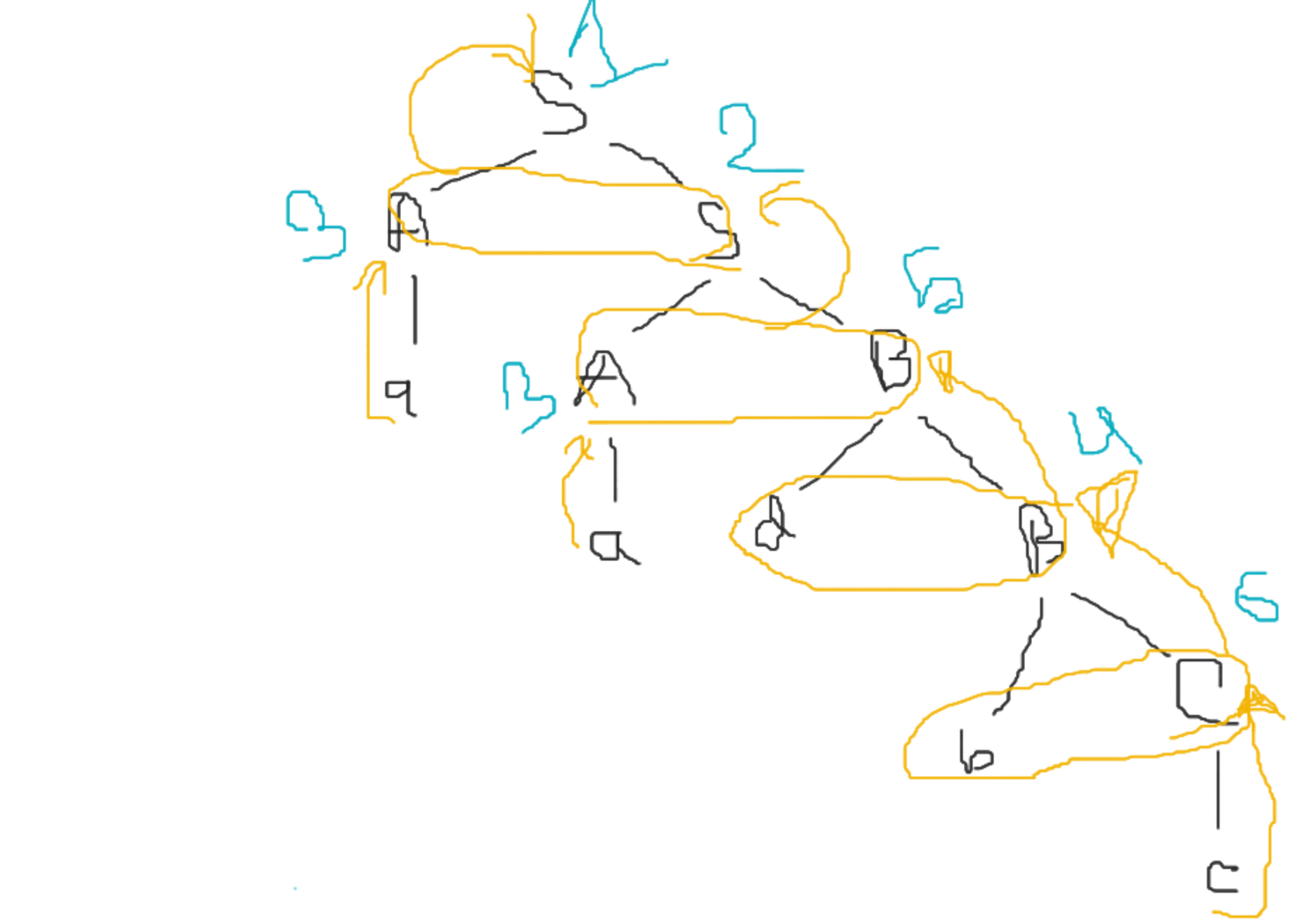
Example: 01

S--> AS {print(1)}
S--> AB {print(2)}
A--> a {print(3)}
B--> bC {print(4)}
B--> dB {print(5)}
C--> c {print(6)}

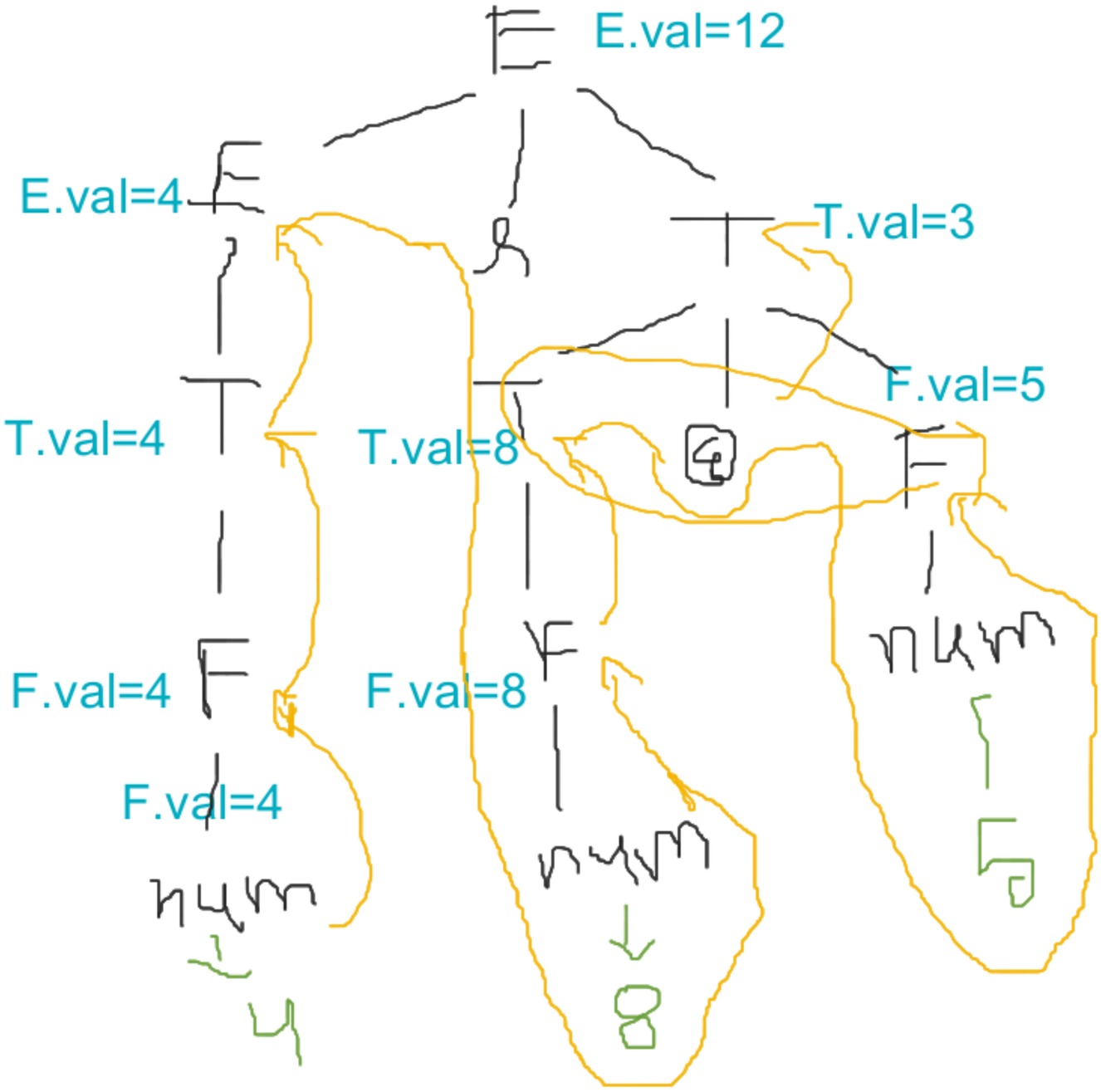
Input: aadbc



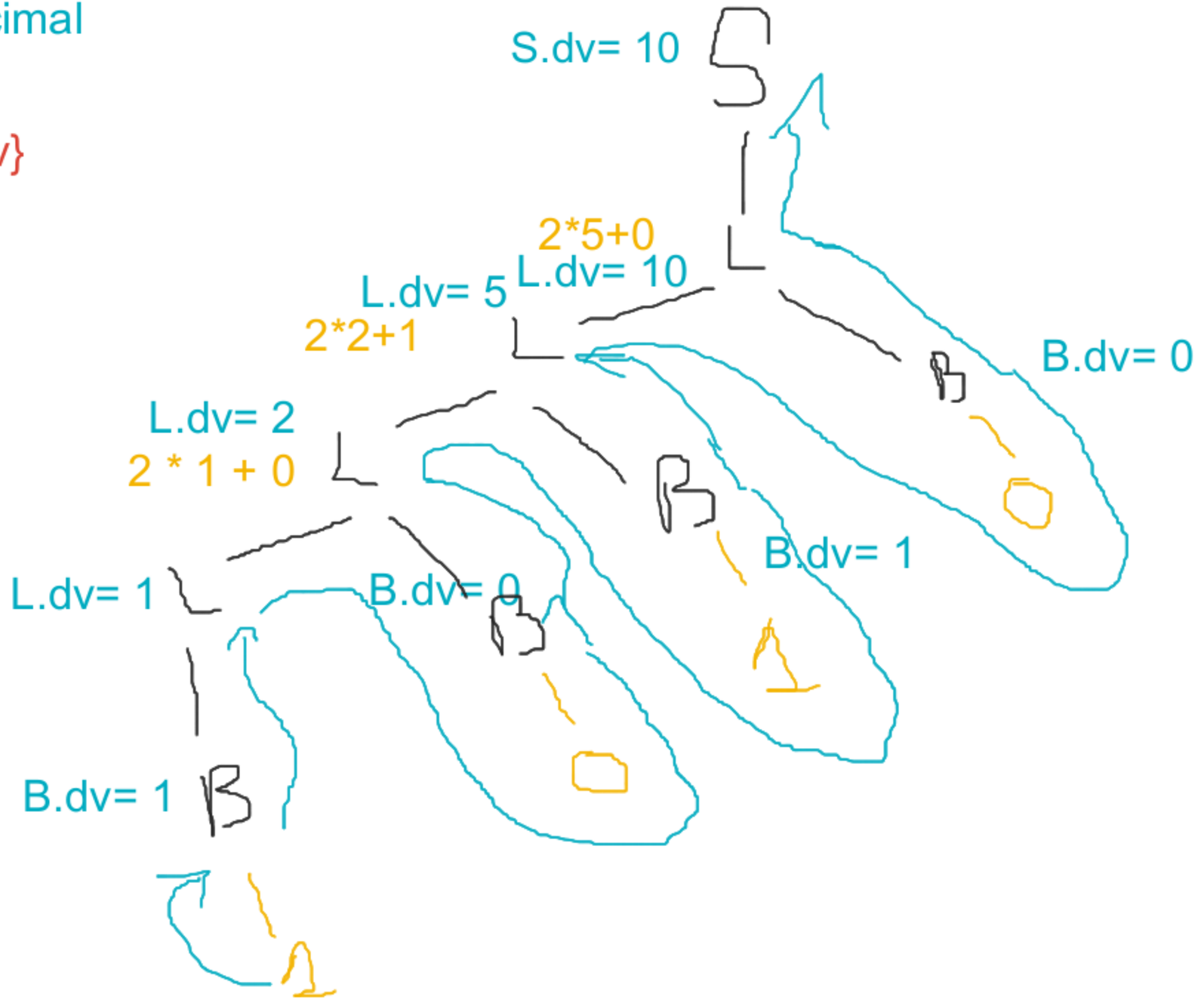
Example: 02

E--> E & T	{E.val=E.val * T.val}
/ T	{E.val=T.val}
T--> T @ F	{T.val = T.val - F.val}
/ F	{T.val = F.val}
F--> num	{F.val = num}

Input: 4&8@5



Example: 03 Binary To Decimal

S --> L {S.dv = L.dv}
L --> LB {L.dv=2 * L.dv + B.dv}
L --> B {L.dv = B.dv}
B --> 0 {B.dv = 0}
B --> 1 {B.dv = 1}

input: 1010