Assignment 1

Try to construct LL(1) parsing table and parse the associated string following LL(1) parsing mechanism:

1.   ababc

S → abABC/DE
A → a/ε
B → bA/ε
C → c
D → d/(E)
E → e/ε

2.   ab

S → abCDE/ abAAB
A → A/b
B → B/b
C → CDE/ε
D → E
E → ε

3.   idbid

P → SR/S
R → bSR/bS
S → WbS/W
W → L*W/L
L → id

4.   dada

S → SAa/ε
A → B
B → C
C → D
D → d

5.   abbcdd

S → aABC/BC
A → bA/ε
B → cC/ε
C → d

6.   abbddddddd

S → abABC/ABC
A → bABC/BC
B → C
C → d