**CFG rules**

1. S -> aSb | bSa | ba | ab | ε
2. S -> bba | abb | aSbb | bbSa | ε
3. S -> A | B | aSa | bSb, A -> aDb, B -> bDa, D -> aD | Bd | ε
4. S -> aaaT, T-> aaTb | ε
5. S -> aS | aB, B -> aBb | ε