



## Homework

1. Let  $G$  be following context-free grammar:

$$S \rightarrow abSc, S \rightarrow T, T \rightarrow cTd, T \rightarrow cd$$

Describe the language of  $G$  (for example by using the set notation) and construct a Pushdown Automaton for that language.

$$L = \{(ab)^n c^k d^k c^n \mid n \geq 0, k > 0\}$$

PDA:

