Fall-2024 CS-Department
Assignment 3

Due date: DEC 11, 2024

Course Code: CS301	Course Name: Theory of Automata

Draw turing machines for the following cases:

1. $f(x,y) = \{$ x-y ,if x>=y
                x+y ,if x<y $\}$

2. Design a turing machine to perform (n MOD 2) where (n=any number)

3. Design a Turing Machine for language L=$\{a^n b^m c^n d^m | n \leq m\}$. Defined over alphabet =a,b,c,d.