Name: Zishnendu Sarker ROU: 2KP/CO/450 Page No. TOC Assignment Date @ Firen that, L= { w/w has even no. of a's and even no. of b's} So, L= { E, aa, bb, abab, aabb, bbaa, baba, abba,....} ⇒ A furing machine accept a collection of all string with an even number of a's and an even number of les can be based on the algorithm. 1) Move down the string changing a's to B's. # To avoid problem of chras crashing on the way down the Tape, change the letter in the First cell to an x (if its an'a') and to a I (if ite "). This way we can recognise the left end of the Tapie. So far I have this but am not sure how to implement the modified algorithm.

