```
Tring Machine R. 111
                                      RS (cuent tope position P by luneit state of
                     101
                                      he luneat symbol a
                                                                   Ry Course instruction
               P3 Tung Table Q-F)x. [-> @ [ X Q * [keft. wish]
              R4 Twin tape 7
Starting state s=0
                                       210118
Haltis Here F = {11.
   Ren (1/1, Tape, Postin)
  Wirte (111, Tape, POSITion, New Symbol)
   Rac 2101111 Rot Rend(111, T, P)
   ly = Read (2 19111), Turing Take, 111.149 + a) 11 (unen entry
  Rio - Re/ 2Rz
                                                             Re of fam
          = / 4/01.2 + p.2 + macres /
                                                               Y. 101.2 + pq. 2 + movemen
                                                              where ret, p. F. Q., worever
          = YET (I new symbol
                                                                              6 (left, night }
     R4 - Write (ITI, T, P, Y) // New Stages Tape.
                                            Write Newsymbol and return
    R7 = [ Lo] mod R2 = (Y (Q1 + p) mod 1Q1
                              = P // New State
 If R=101F, (Halting Fare) then Stop.
Flor R5 6 R5 + 1 R5 - - R5 +
       R_{5} \leftarrow R_{5} + 2(R_{9} \mod 2) - 1 = \begin{cases} R_{5} + 2(R_{9}) - 1 = R_{5} - 1 & \text{(if left)} \\ R_{5} + 2(R_{9}) - 1 = R_{5} + 1 & \text{(if hight)} \end{cases}
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