

Ew#~ | W ∈ {0,13* } 2 = {0,1,#3 (-> C, R Π = {0,1, ±, ω, ω} 80 0 > 0,R T#7R M-JR 0-70,L 1->0,L 86) D 070,L 1 # 7#, 6 O > O, R

chan A tape [infinite]

int pos = 0; int g = 80;

while (g ± ga ∧ g ≠ gr) {

switch (g) {

case go:

y + letage

switch (tape [pos]) {

case w: g = gr; break;

case o: g = gr; tape [pos] = V; pos ++; break;

(ase 1: " g3

Arun of TM + is a sequence of configuration A config is a state, a head position, and a tape written as WEBIJV the state is the tape is will wv Will head pos is between wood v (ie on vo) The initial config of TM & on input w is EL go] w who machine 01#01 Run on (checked 1stchar) 180/01#01 00[go]#00 P M Lgo] 1 # M1 P 0 [8,71#01 MD#[82] MM 00 [q3] #01 MN# M[gz] M D 1 [81] # 01 00 H [85] 01 0 1 # [gy] OI OO # O [95]] M 1 [86] # M1

0 [87] 1#01

[9=701+101

0 [80] 1 # 0 1

DM#[86] DM 00[86] # 00 0 [87] 0 # 00 O MIGOJ # MM-

MOHDO [82/W DO#BDW [accept]