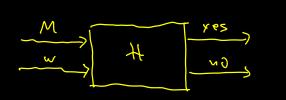
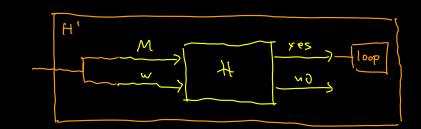
M. Program, Turing Machine v- Input, word

Assume there is It and It solves the halting problem





H' halts on H' (=> H(H', H') = yes

ed of H'

(=> H' does not halt on H'

Contradiction.

Therefore It cannot exist.