L= 3 (14, w7) M is a TM that on input whill overnice

a o with a 1 over the course of

computation?

ATM ST L

Can construct a decider for ATM by using an wacle for L'.

on implif s = <M, w>

\(\text{M} = replace as transitions in M like so:

sog Im sog Ine
replace all 1's with 1 so in property of m marking transitions.

the god the following:

St gacept to magnificant transition to Stay in glace, Stay in glace, and write 50 -> 1.

Threfore, $\langle M, \hat{M} \rangle$ will accept in L only if M accepts \hat{W} .

Rem. L on $\langle M, \hat{M} \rangle \neq r$ other regist.

Atm = T L i but A_{TM} undecidable.

i. L is make idable.