Classmate Date Pege	Checoute
Uniolyable Brobloms (Unselvability)	out doop on x - Outer motive also doop
(< M, w> M is a Turning Machine and we SCM)	5=90,11 tape alphabet, its alphabet (at M walton be a Tuning Machine with senading > 7
'st' suppose Alphabet & (Finila) 2° → countablembrista No. of languages over & = 2° [Uncountable]	1 Mg H L L H L L - Rach Twi
Flaggage that are not oreragnized by Turing machine	M. for each string
Boof - 3how that the possible TMs are contable. We can enough it like DFA	gf the problem was devidable then it would have about mode)
Toking 2-fal must 2 Eupposed lagrage Imapping (et i suppor us mapping 2 a a a a b la	K-Mx#x
Mo 0 1 Chill not be in the list as TM	9 (Congred machine accepts)
so this new larguage will not be a caregorized by any	Build a new TM N such that takes x esip
Tm.	> Put Mx #x on ilptans
Halling Batton	Muns Simulates Kon Mx#x
Gives a Twing Machine and a usung x, show that whether M holts on x as not beforehand?	Ngoe in a loop & if K accepts Make N like this
Suppose you've a TIM what takes Mand x as if Suppose you've a TIM what takes Mand x as if	This will actually result in a timing machine (N have which has a behaviour different from all those present
If 11 hatts and accepts reject x -> halt accept	a list. This will be a new domest in the list



