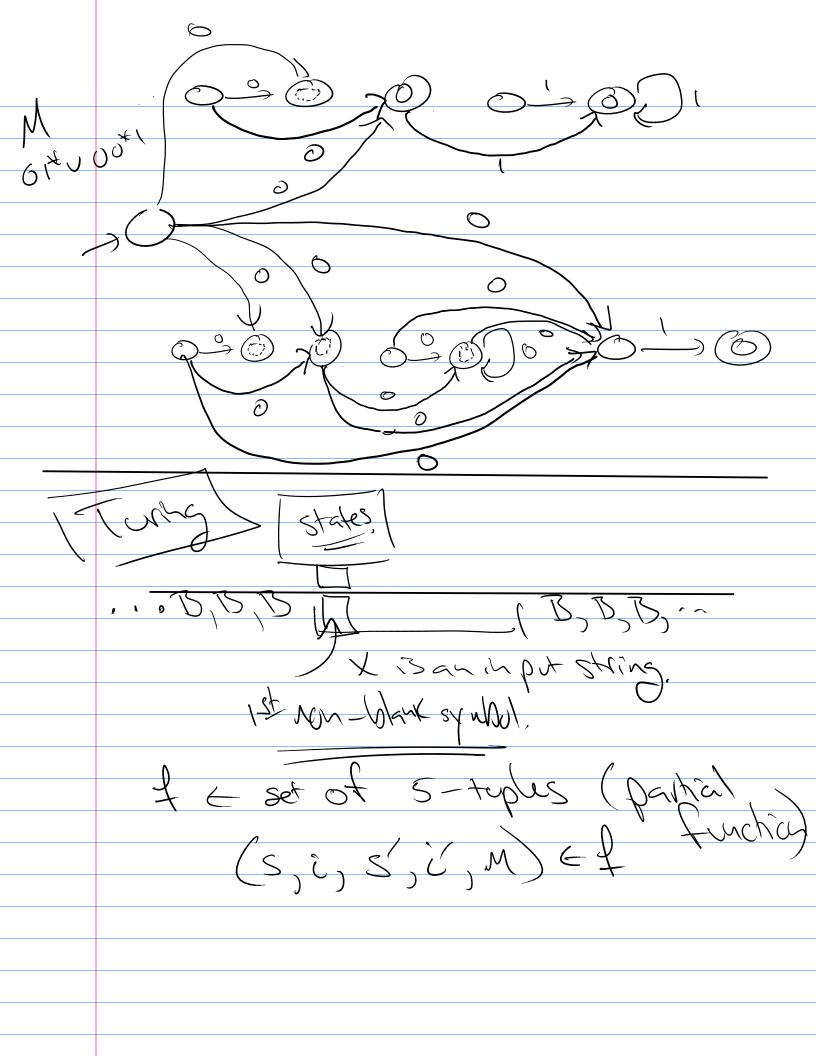
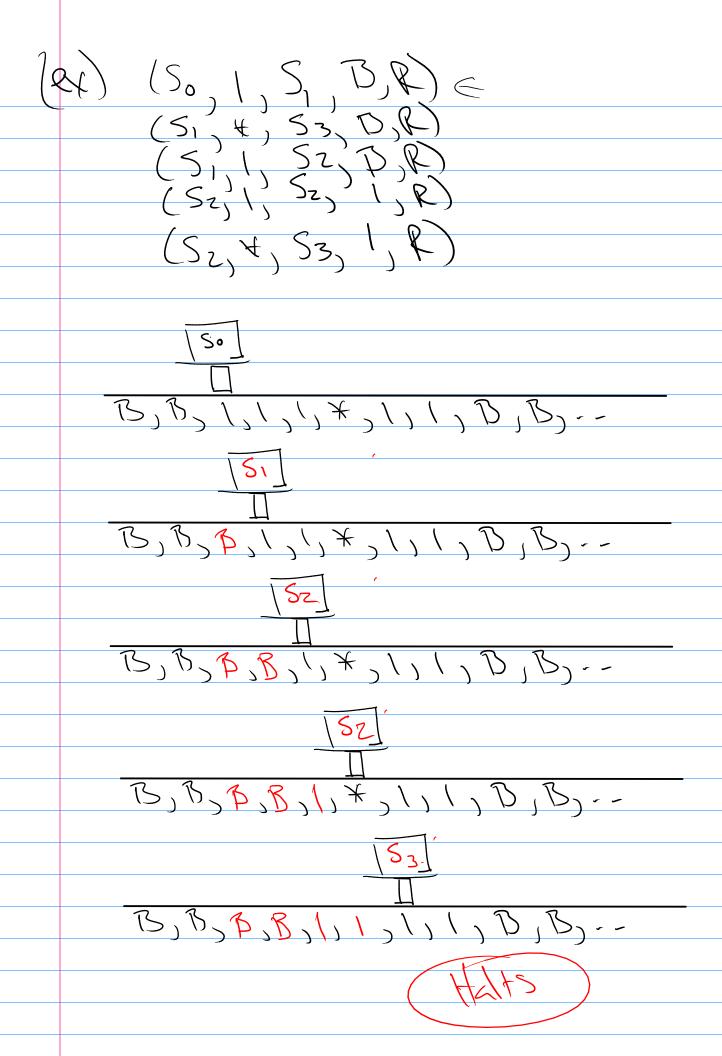
Math 322

Q15 (13c) OHUOOTI Mox. -20) 0-38



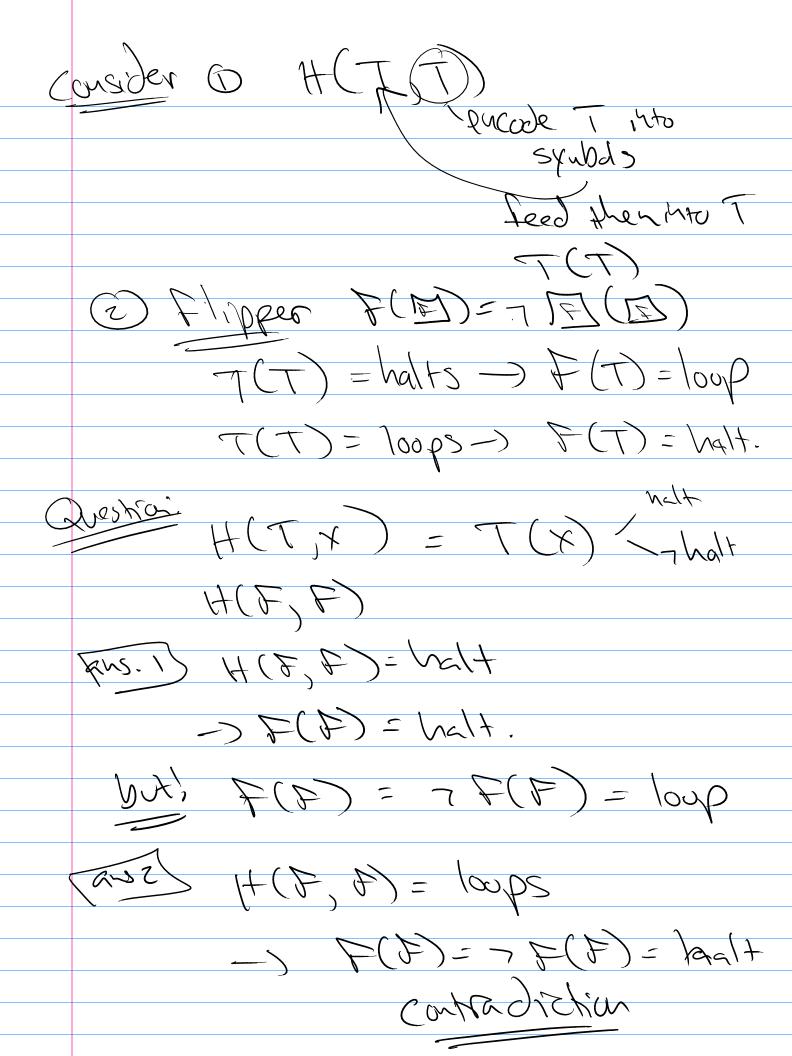


	VCI, Tracognites XEV*
	it: when x is on the tape of
	T in starting position, Thats
	in a final state.
	in Front of a 5-tupite.
	\
	(So) S BR S= [So, S, Sz, Sz]
	$(S_1, 1, S_2, D_1)$ $(S_1, 1, S_2, D_1)$ $(S_2, 1, S_2, D_2)$ $(S_2, 1, S_2, D_2)$ $(S_2, 1, S_2, D_2)$ $(S_2, 1, S_2, D_2)$
/	$(S_2, +, S_3, 1, R)$
	Number Theoretic Function: M= E0,13,
	J. WXWXXW -) W
	K-tuplus
	exrupt $f(u, uz) = 1, tuz$
	may rep. & 11 = 81, 11, 111, -3
	0 (2 3

1(2)) = 2+1= 3 BB (11+11) BB (Sz, X, S3, 1, R) Church-Turky Thesis It a problem can be solved by an effective algerithm > a Turing Machile can solveit. P(n) - Yes n 13 prine no n 13 not prine.

a/ Sar Apr NOK NUT Car we tod power to Torry rachies? 1) Deterministic vs non-Deterministic -> Multibad (1) Nultitage? have nevery > in, in one direction - all are & same power.

power rears it one can solve a problen any othe Turny Machine can as well. (raybe casier to use one or another) Universal Turing Madrile set at 5 tuples that will do all produces that any T can do. Halting Arden given T and X itsinpt will I halt or loop (yes/no problem) assure a turity rachie H(T,X) THI



Conputability can compute a function the function is compitable. Dit no Texists -> un computable. is R contable. (dea (1 = 0 , d 11 d 12 d 13 - all Suchous jutilité (infinite on contab monto margiale

