## CS 181 HW9

la.	8 ()	
1 at 3	<b>B</b> B	
	8 3	
	* * * * * * * * * * * * * * * * * * *	
b.	() ()	
	B ()	
	33	
	BS	
	B	
·C.	M	a construir de la const
	At = B	
	11 10 1 1 1 A The adjustion of string () has intereme	edia
	11 10 1 1 1 A The adjustion of string () has intereme	edia
	Note that in 14, The ardvetion of strong () has interessed strong B, where the reducing rule 5 -> B, which is a	in
	Note that in 1A, The advertion of strong () has interessed strong B, where the reducing rule 5 -> B, which is a uniforced handle.	edia
,	Note that in 14, The ardvetion of strong () has interessed strong B, where the reducing rule 5 -> B, which is a	edia
	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia
	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia
	Note that in 1A, The advertion of strong () has interessed strong B, where the reducing rule 5 -> B, which is a uniforced handle.	edis.
1 1 14 2	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia
1 4 4 3	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia
* 4 4 2	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia
	Note that in 1A, The reduction of strong () has interessed strong B, where the reducing rule 5 > B, which is a uniforced handle.  Wete that in 1B,	edia

2.	Consider:
	L'S DFA Q. 9
	Lat go be the initial point ( start state,
	Let go be the Start State, of the accepting state
	and of is any point between a straine WE
	Constaucting The NFH from L'S DFA, for RE(L)
	X X
	[9, 9] [1,2] [9, 2] [1,9]
	This accepts when the first clement matches up with its second
	clement, where Oner ([p, q], a) = [p, frient (q, a)
	p 15 Stant Blate, q 15 coenmit state, a E E#.

٠,	L3 15 Non- R. E.
	The domains of the computable pertial functions constitute all
	selvasively animesable sets.
	So, let Wan = domin(fo), where In 15 compresses partial function
	So, let Wan = domin(fo), where for is comprise partial function Consider Wan & L3, in would be needed in L3 but not in Wan. If n & L3, then for doesn't halt when given input n.
	If n E L3, Then for doesn't helt when given input n.
	MAN + Lz, and thus Lz is not Equallent with any preventively enumerable set.
	prevasively enumerable set.