Camlin Page A016 29-8-20 Varun K FLAT Team Work I (b) Q1, R= {(1,2); (2,3); (3,4); (5x,4) } Transitiu Closure consiliu (lasure R+= [(1,2), (2,3), (3,4), (5,4) }; (1,3), (2,4), (1,4) } Symmetric Closure R* = {(1,2); (2,3); (3,4); (5,4); (2,1); (3,2); (4,3); (4,5)] Q 4. Z = { 0,1, ..., 9) denisible by 3, I= {0,1,2,3,4,5,6,7,8,9} Jet déride I in parts of on bosis of remajder of 0,1,2 T={(0,3,6,9); (1,4,7); (2,58)} 0= {0,1} S= { 3, 8, 5, 4 S. = O remainder S, = 1 remainder Sz. 2 remainder

	Varin	1 K +	016	, ,	29-8-2	0	Camlin Page Date 1 1		
\rightarrow									
-	STF: ±x5>S S= (0,3,6,9) (1,4,7) (2,5,8)								
\rightarrow		(0,3,6,9) So		-	(2,5,8)				
4	50		S ₂		S _e				
5	S,			5,					
	$S_1 \mid S_2 \mid$		30		7/				
-	MAF: IXS70								
	LIME > TXOY								
+	57 (93,69)(1,4,7) (2,5,8)								
10			(2,4						
-	5, -60 2 0								
			® 1						
-	5, 2010								
	T.a								
15	5TART (0,3,6,9) -> 1								
	(2) 250								
	21.70								
20									
20	(939,6)-20 (Si) (1,4,7)-20 (S2) (9)-20								
	(258)-20								
	T-M								
25	C.5	2.1	5.		S,	5,	1 4		
	3,	0/1.	3/11	1/01	410 V	2/0 15/0	V		
	J.	6/11	19/1		70	8/0			
	S	2/1 V	5/1 V	0/01	13/0V 6/0	110 ¥ 4/01	/ _ *		
			/1			7/0			
30	S	111 V 4	1		5/0V	010 V 3/C)V		
		7/1		8	10	610 49/0			

Camlin Page A016 29-8-20 Varin K NFA and DF A are equivalent to each other In cetherwoods, for every NFA there exist an equivalent DFA accepting the same set of words / language. A DFA is in a very, or specialization of an NFA. Hence, NFA and DFA have equal power.