TO .		
2	•	
2		
7		
9	Traffic lights.	125%
0		a to Marlane /FCM/FA
9	-Traffic lights are a type of f	Truste Automota (DFA)
9	Hospecifically a Deterministic Finite Automota (DFA)	
)	- FA's are good models for compaters with limited memory	
	Lyi. e traffic lights!	
		TOP VEW OF A TRAFFIC LIGHT
	why traffic lights?	ACM OLY (1.4
	Traffic lights have 3 states:	STOP
	1) Green 2) Yellow	Stan Dawn
	3) Red	
	5) 10:01	> Go 1.
i i i i i i i i i i i i i i i i i i i	-jud transition:	
	1) 60	The second secon
	a) ST6P	stop = slowdown
		Stop = Slowdown
	State digram	Marie Carlos Car
ing distantish cheed excess	0,0	
	90	stop - each state has
	Green	(red) all pussible transitions
		SO, DFA ? Yes!
		stup 8 go stup
	Stop	green green yellow
		red green red
	20	Yellow yellow red
	Formal definition	
	2. a set of states	d green, yellow, red
	2. E Set of alphabets	¿go, Stop?
0	3. 8 transition table	- nex
	4. go star state	green
	5. F set of accepting state	€ red }