11-1/ RPP (A) := JPEN. Y (SEA | 1512P)] (x,y,z & & xyz 1 lxyl <P 1 14170) Yien. x yiz ch, VACREG P(A)

11-2]					
	ALL			7	
	Onin	REG			
		0* 1*			
	1		FO13		
			1013		
7 81	PP(0117)				
•					

11-41 0010 CN. 0000 1111 int count = 0; while () E if geta() == "o" Hen 9mp (oun+++ oiw, ungelet) break; while 60 E if gete () == eof then return (count = = 0)0.W == 111 Hen tomt -return false; 今く

$$\frac{11-5}{\text{egral (k)}} = \frac{\text{Egral (k)}}{\text{Egral (2^{31}-1)}}$$

$$\frac{\text{egral (2^{31}-1)}}{\text{egral (2^{32}-1)}}$$

$$\frac{\text{egral (2^{32}-1)}}{\text{egral (2^{64}-1)}}$$

$$\frac{\text{egral (2^{64}-1)}}{\text{egral (2^{41-10+10+32})}}$$

$$\frac{\text{egral (3)}}{\text{egral (3)}} = \frac{\text{egral (3)}}{\text{egral (3)}} = \frac{\text{egra$$

11-6/ 7 RPP (A) A=0"1" V pEN. given p I sen, Islap, choose s. S= OP 1P V 642 € £ × , S= xy2 ~ |xy1 < 7 ~ 14170) $O^{p}I^{p} = x \circ y \circ z \qquad (i=0)$ X = 0ª y=0b Z=0c1P ;=1 a+b+c=p a+b< p b > 0 b(i-i) = 03; eN. xy; z & A bi-b = 0 xy'z = 00 00'0019 EA ; CC 076;+C = P 09 0 C 1 P & A A+b+c=p b>0 a+c+p 11-7/ ALL is all possible computations on in is mall but not m REG REG is all DFAs ... DIFAs are all physical computers onin we can never if on in a rec SPROS B & REC (ex B & Ø) Hen onin o B & REC

11-81 ALL REC FIN	
ALL EI EO CFL REC	_
Computers can't do everything Humans	_
Algorithms / Programs	_
	_
	_

11-9/ En la has an regral number of and 13 € ww | w f € * } Eww8 | week 3 E 12) neN3 E 01 13 1:233

11-10/ Add Ox 10 y 1 0 x+ y & REG 1 "1+1=2" = 010160 V "2+3=5" = 001000100000 " 7+2=1" = 001 001 0 ∀p._ 35. 0°10°102° Yxyz, x=00 y=0b Z=0c10pozp 1 本本 2+2=4 8+2=X 710 Add (k) = 0×1040×+4 where x and y<k