Homework 8

	HOI BOOK
\ a.	(A/0) (B/0) (C/0) (O/1)
16	Present State X=0 Next State Output
	A 00 B 01 0
	B 01 C 10 B 61 0
	C 10 A 00 D 11 0
	0 11 · C 10 B 21
all the first height accommon and an employed present the control of the control	YA YO YAYO YAYO
le	4 states are needed
and distribution con the consequence of the second transportation desired as the consequence of the conseque	The minimum number of flipflags as 2.
11	A=00 B=01 C=10 D=11
Į Q	(If.) 10 0 0
	(2,00
1	
	$\frac{1}{2} \frac{1}{2} \frac{1}$
	11 9 11 1 1 6 0 0 1
	to in an in
	Do= x)
	v_{i}
2	(1) 0-(1)
21	o. Present state Next state Output
D	A D A
	10 BOI AOD

26. 3 States are needed. The minimum number of flip flops needed is 2. 2d. A=00 B=01, C=10 Qoi O 40 Di= xa,'a. Do z x' Q, Qo' + x' Q, Qo + x' Q, Qo' Do = x'Q' + x'Q'Q' Z= Q1Q0' *(B/OI) 0/00 36. Present State Next State VEO 8=1 Output 60 BO1 A 60 00 01 Dy Bor 01 10 B 01 A 00 (0 D11 C10 11 00 3c 4 states are needed, 2 Hip Hops.







