

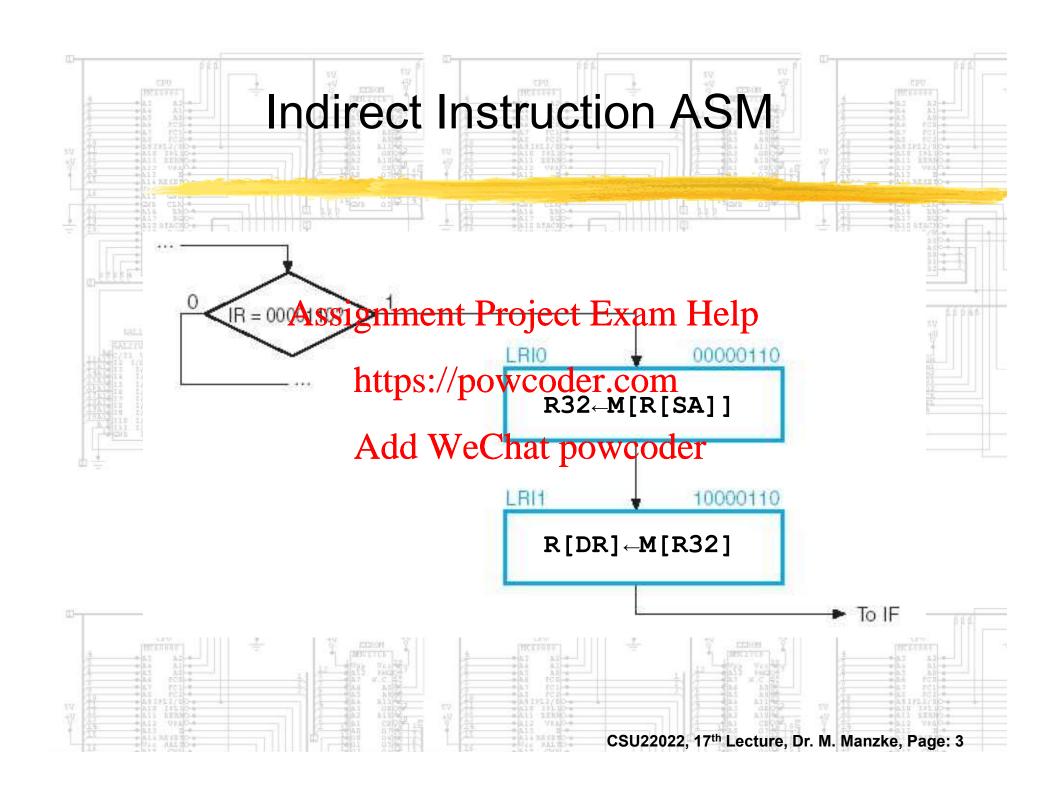
Symbolic/Binary Microprogram

Address	NXT ADD	MS	МС	IL	PI	PL	TD	TA	тв	МВ	FS	MD	RW	ММ	MW
IF	EX0	CNT	-	LDI	INP	NLP	_	-8		3 	—::		NW	PC	NW
EXO	9	NXT	OPC	NLI	NLP	NLP		_8	2	9=2		3=2	NW	-	NW
ADI	IF	NXT	ANGA:	Oth	MA	MLIP	rmke	5A	Fx	addnstant		FnUt	WR	-	NW
LD	IF	NXT	NXA	PLI	NLP	NLP	DR	SA		alli I.		Data	WR	MA	NW
LD ST INC	IF	NXT	NXA	NLI	NLP	NLP	9 2	SA	SB	Register	-0	PATOONI SAAR	NW	MA	WR
INC	IF	NXT	NXA	NLL	NLP	/NLP	_DR	SA			F = A + 1	FnUt	WR	200	NW
NOT	IF	NXT	NXA	Ņц	N DR	/Apo	W/G	JUE	er.c	om	$F = A + 1$ $F = \overline{A}$	FnUt	WR	-	NW
ADD	IF	NXT	NXA	NLI	NLP	NLP	DR	SA	SB		F = A + B	FnUt	WR	-	NW

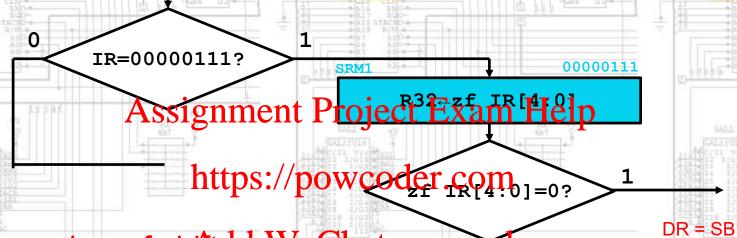
Add WeChat powcoder															
Address	ADD	MS	MC	IL	PI	PL	TD	TA	ТВ	MB	FS	MD	RW	MM	MW
192	193	000	0	1	1	0	0	0	0	0	00000	0	0	1	0
193	000	001	1	0	0	0	0	0	0	0	00000	0	0	0	0
000	192	001	0	O	0	0	0	0	0	1	00010	0	1	0	0
001	192	001	0	O	0	0	0	0	0	0	00000	1	1	0	0
002	192	001	0	0	0	0	0	0	0	0	00000	0	0	0	1
003	192	001	0	0	0	0	0	0	0	0	00001	0	1	0	0
004	192	001	0	0	0	0	0	0	0	0	01110	0	1	0	0
005	192	001	0	0	0	0	0	0	0	0	00010	0	1	0	0

This is not our control memory but similar

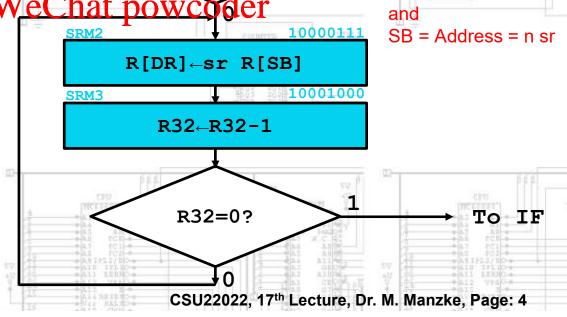
CSU22022, 17th Lecture, Dr. M. Manzke, Page: 2

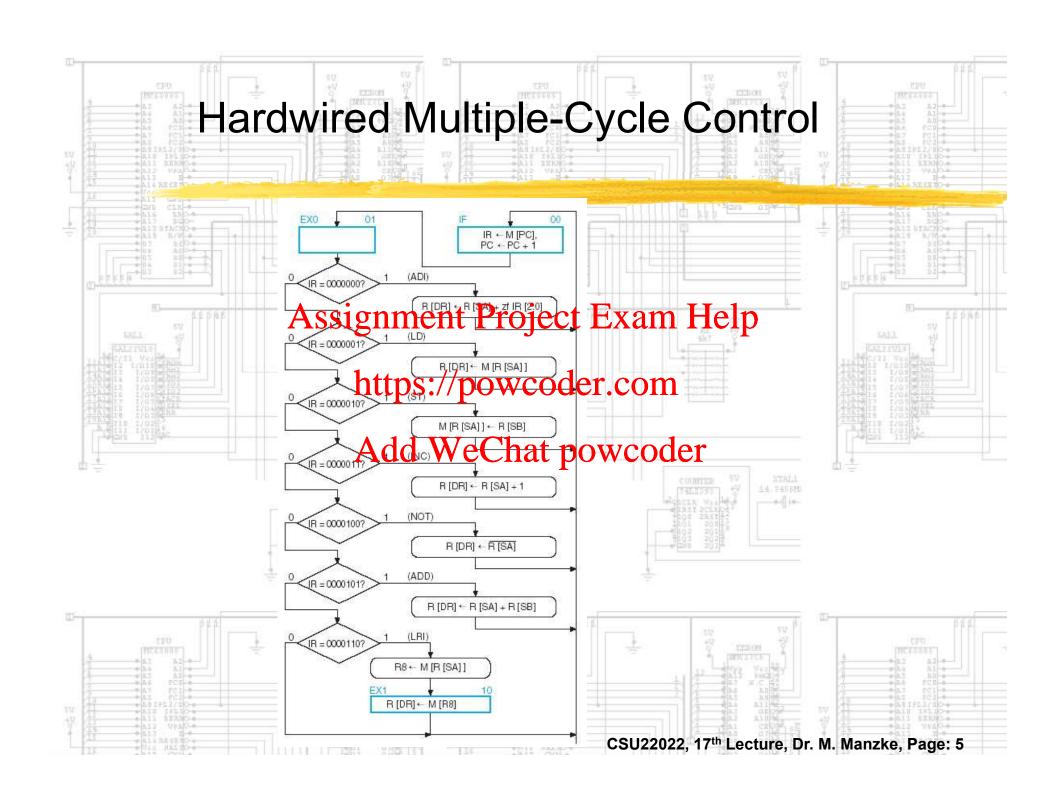


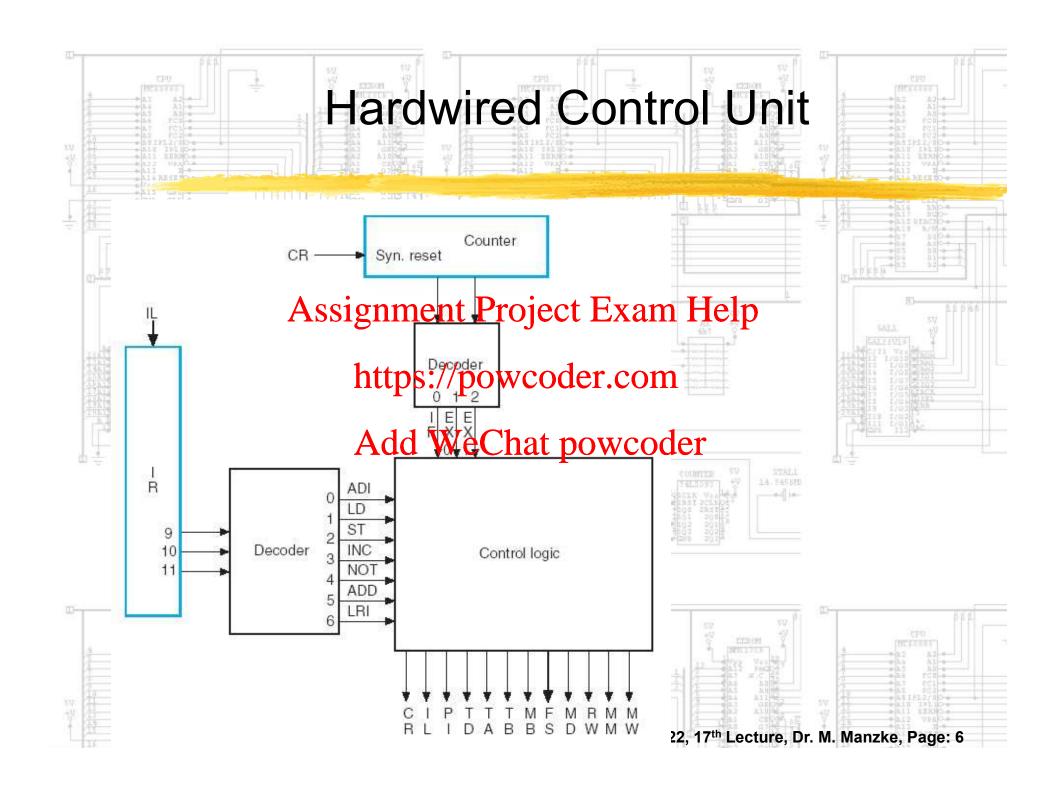


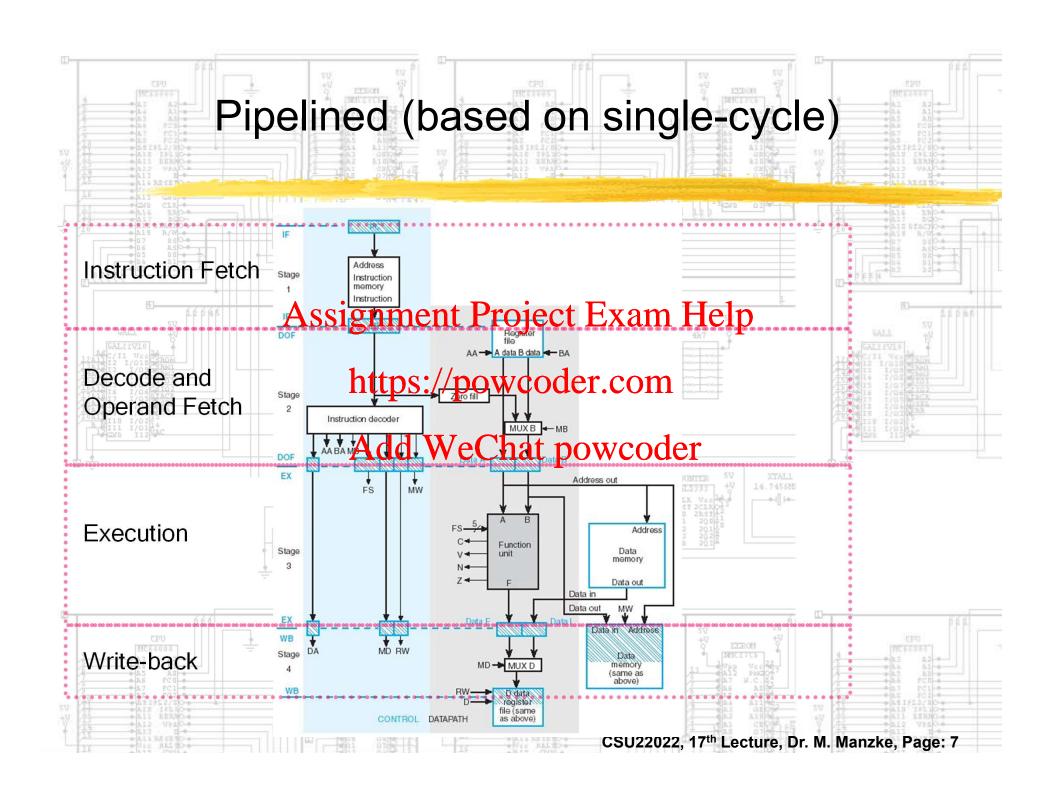


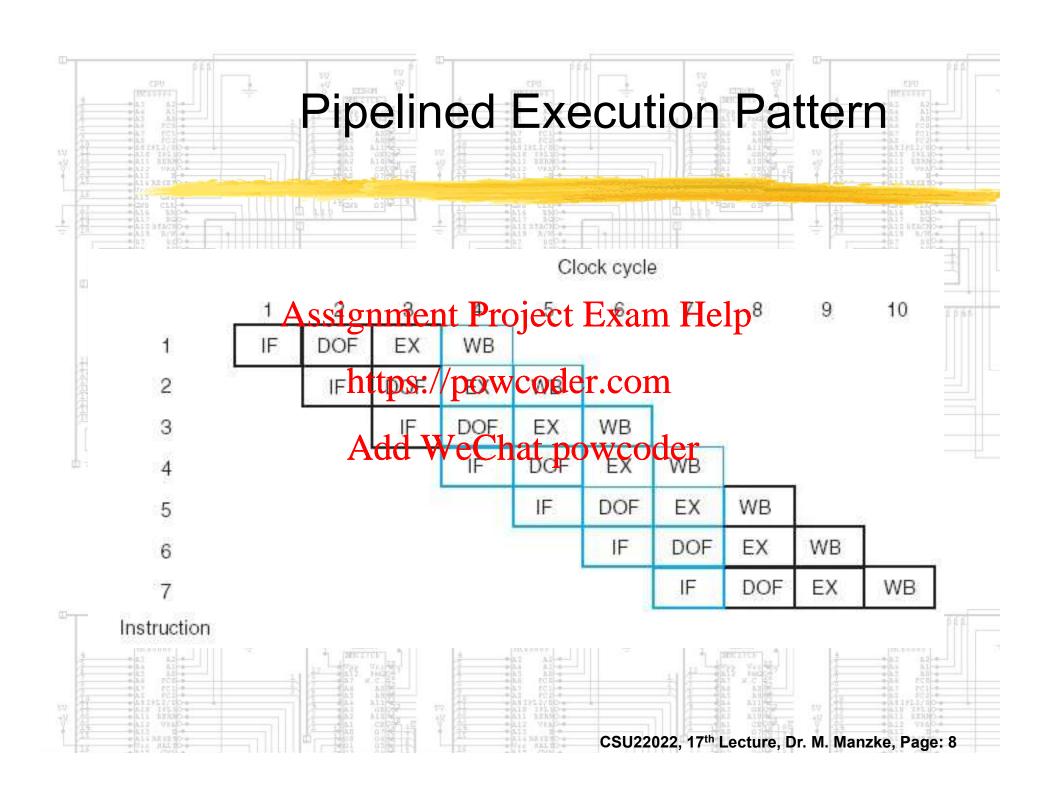
The number of shifted to the right n must be the same as the SB register that holds the value that will be shifted by n bits to the right when the right when the shifted by n bits to the right when the shifted we chat powcoder $\frac{SRM2}{R[DR] \leftarrow SR} \leftarrow R[S]$











Computer Architecture and Microprocessor Systems

