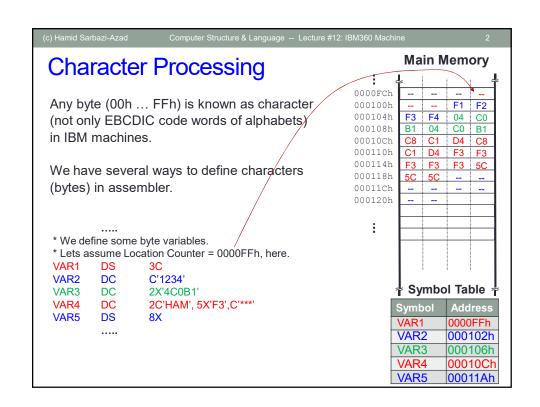
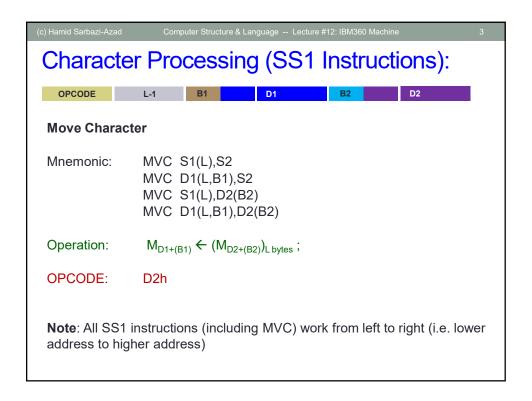
## Computer Structure and Language

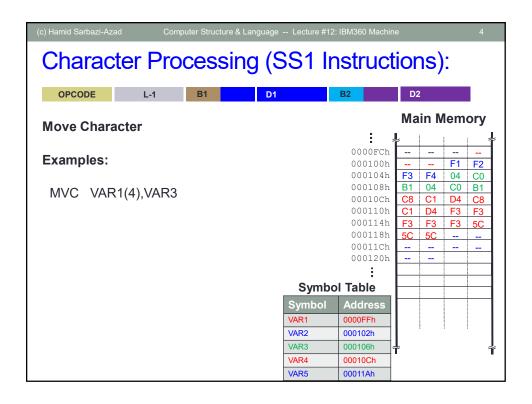
## Hamid Sarbazi-Azad

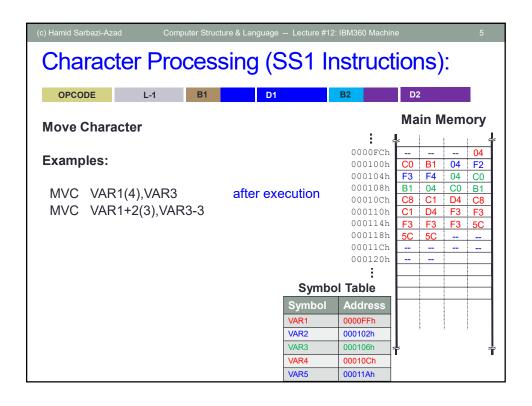
Department of Computer Engineering Sharif University of Technology (SUT) Tehran, Iran

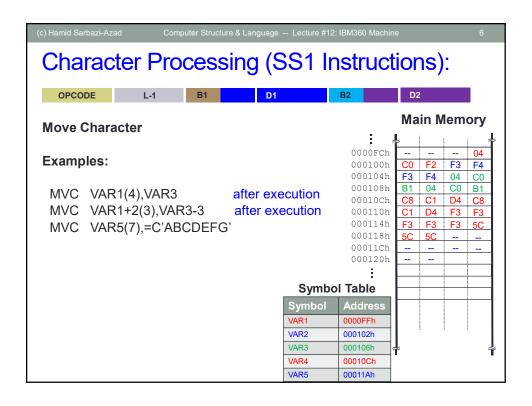


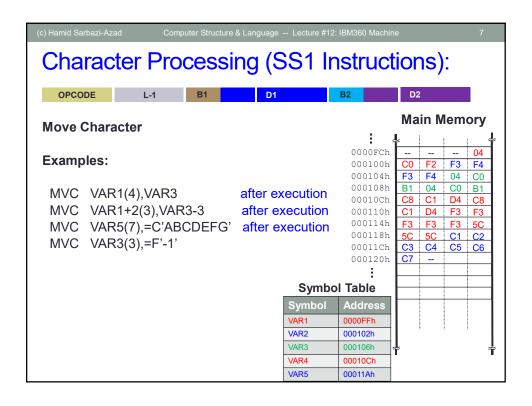


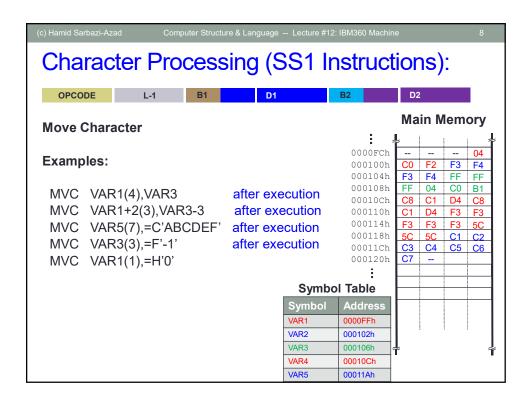


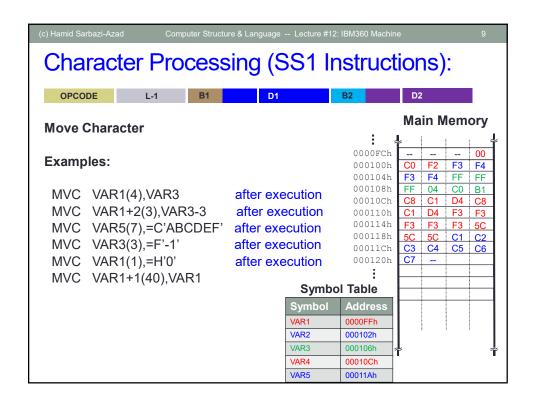


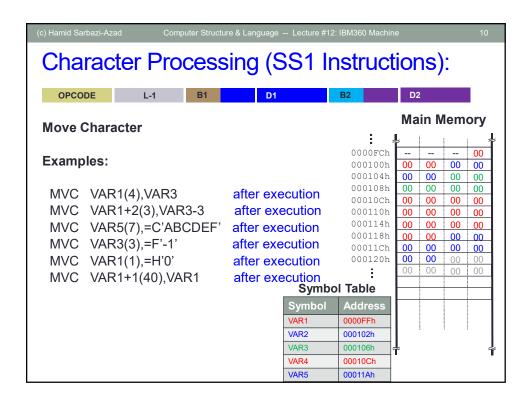


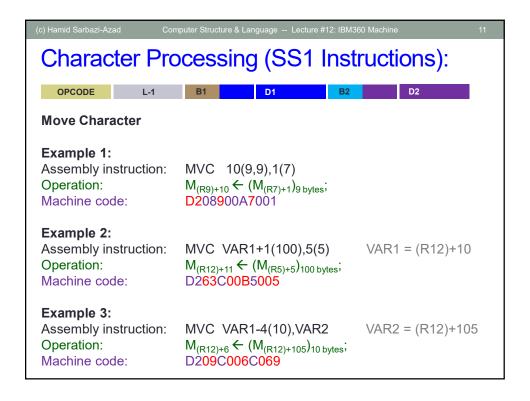


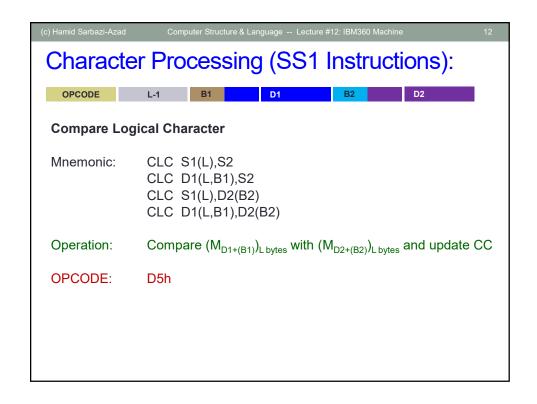


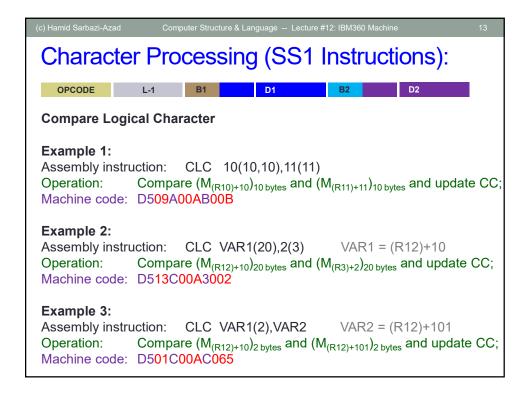


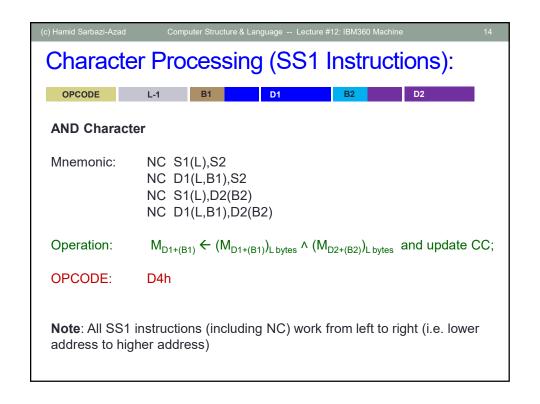


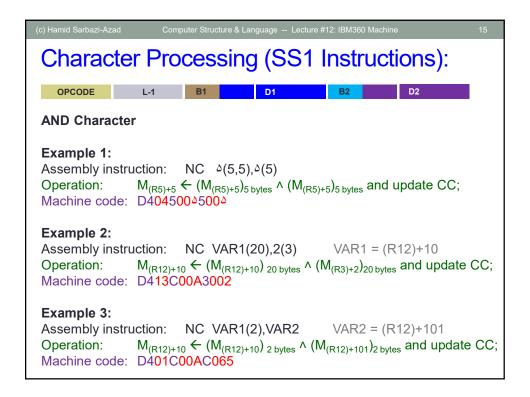


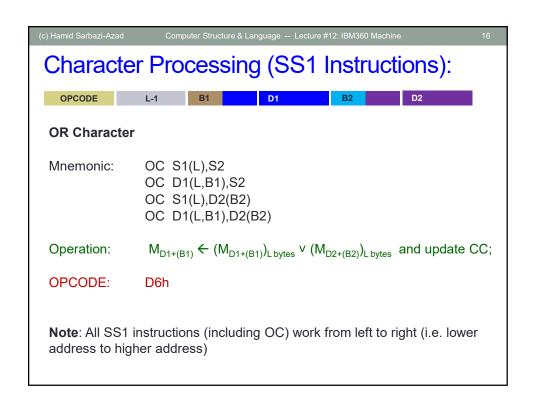


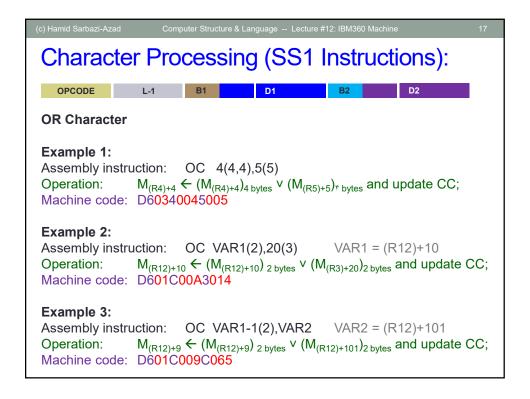


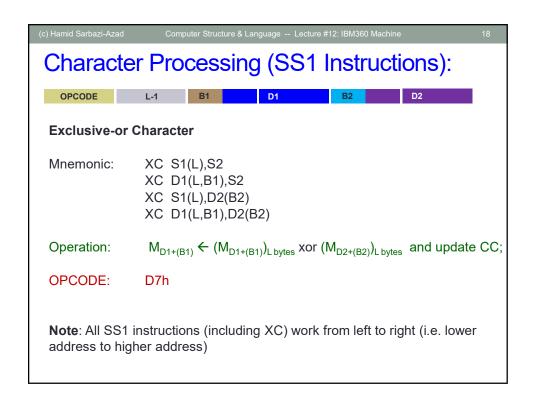


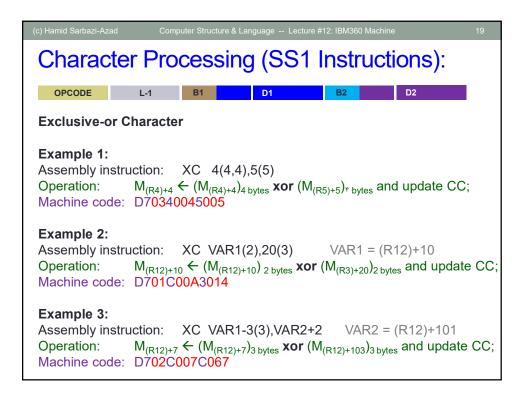


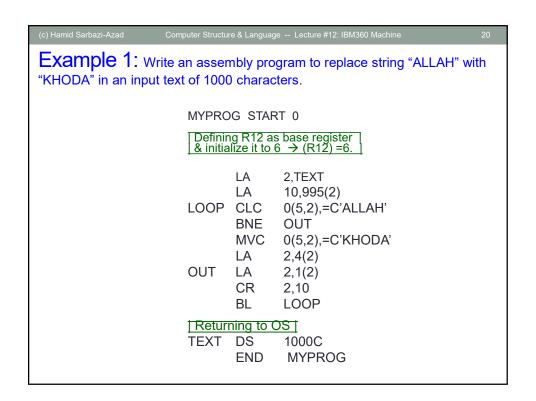


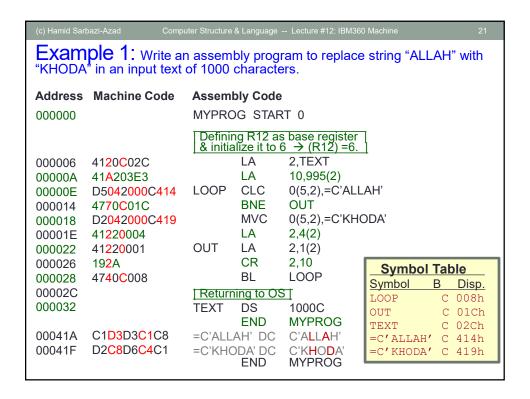


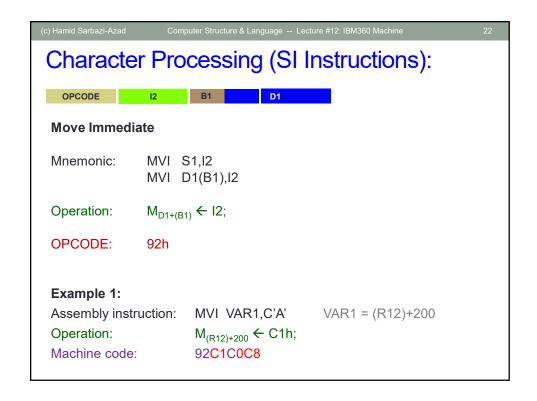


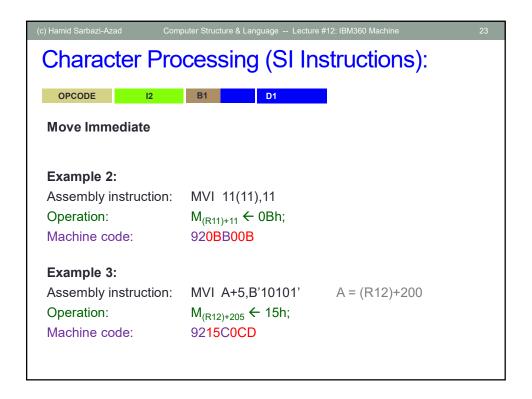


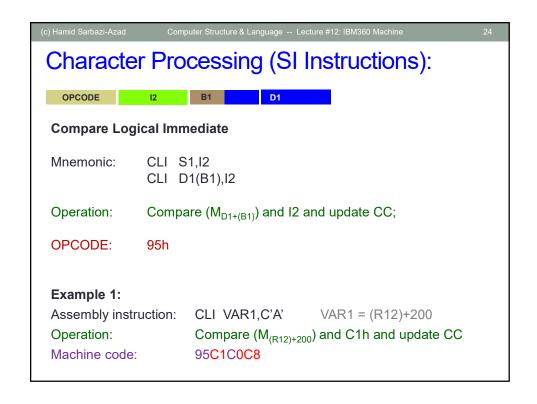


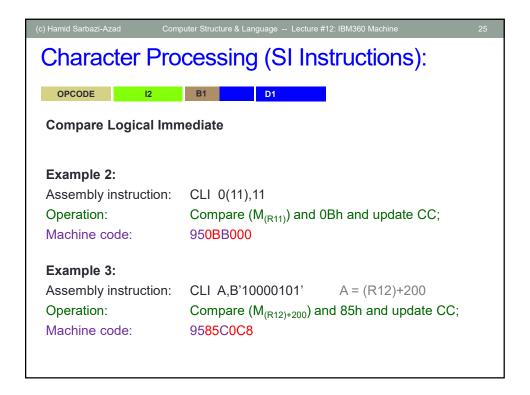


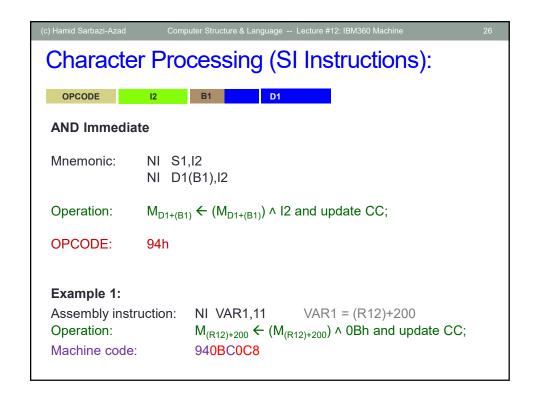


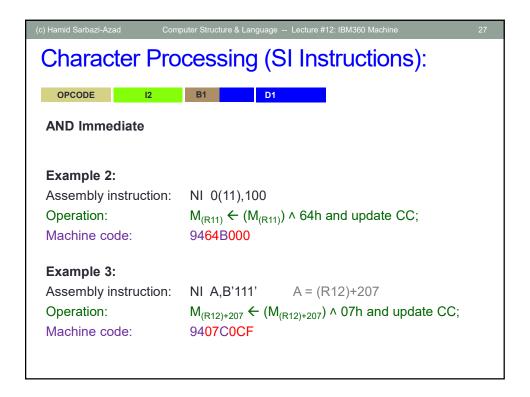


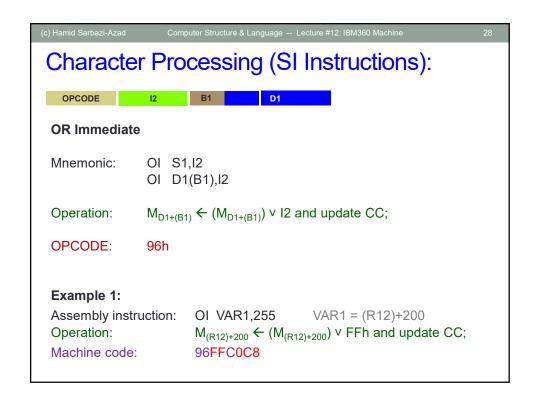


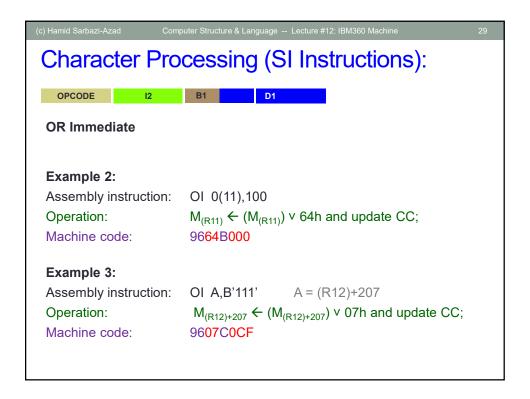


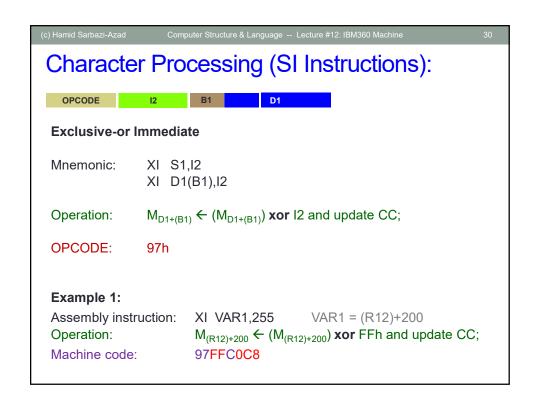


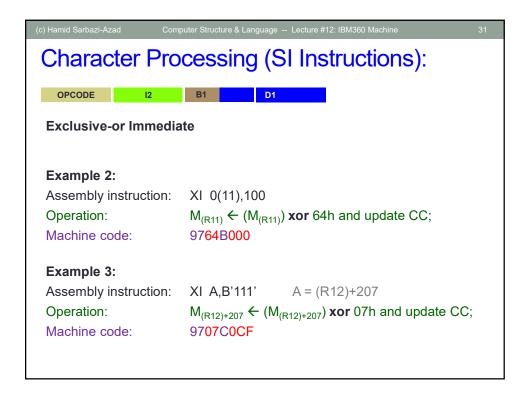


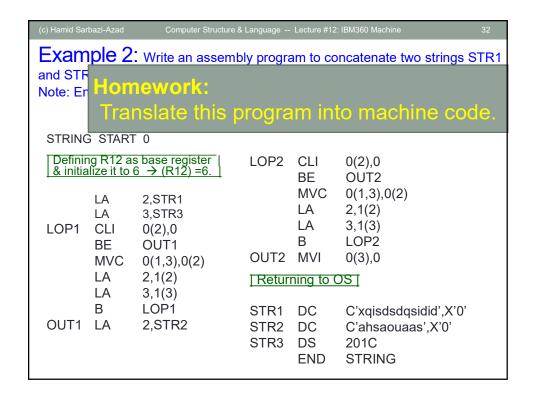


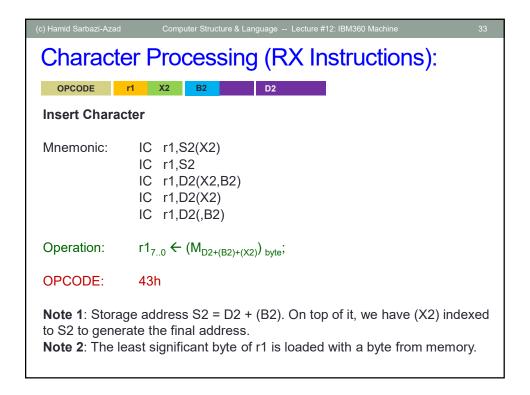


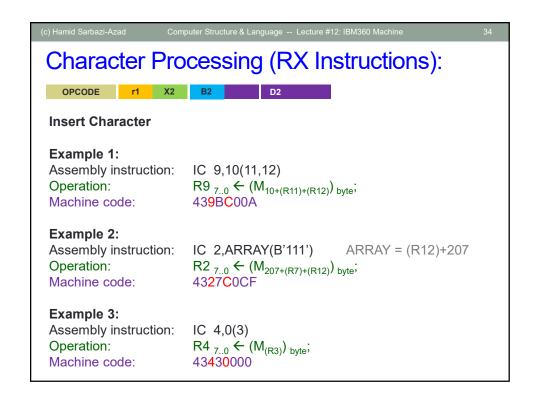


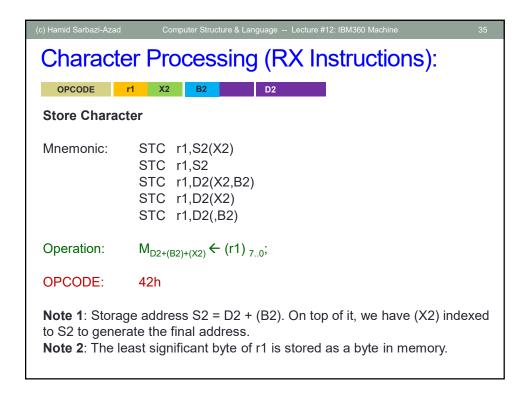


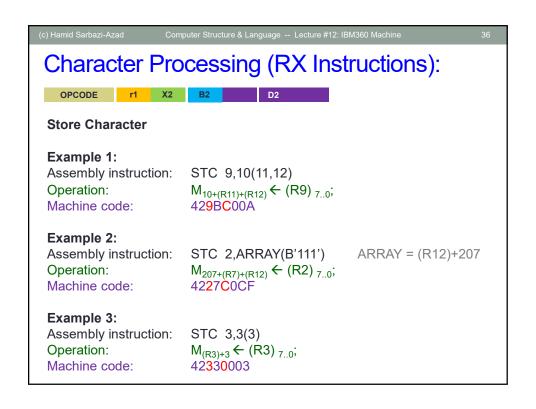












(c) Hamid Sarbazi-Azad Computer Structure & Langua	ige Lecture	#12: IBM360	Machine	37
Example 3: Write an assembly program to sort a100-element byte array ARR in ascending order (Gnome Sort).	SORTE Defini & initi	LA XR IC IC SLL SRA SLL SRA	s base register 6 → (R12) =6. 3,99 2,2 4,ARR(2) 5,ARR+1(2) 4,24 4.24 5,24 5,24 5.24	index
	OUT [Retur	CR BC STC STC BCTR B LA CR BNE ning to O	5,ARR(2) 2,0 LOP 2,1(2) 2,3 LOP	== BNH
	ARR	DS END	100C SORTB	

