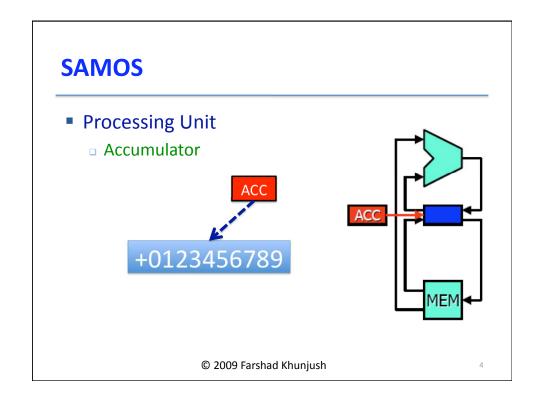
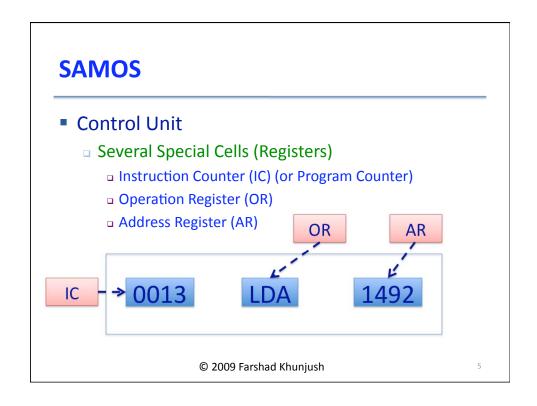
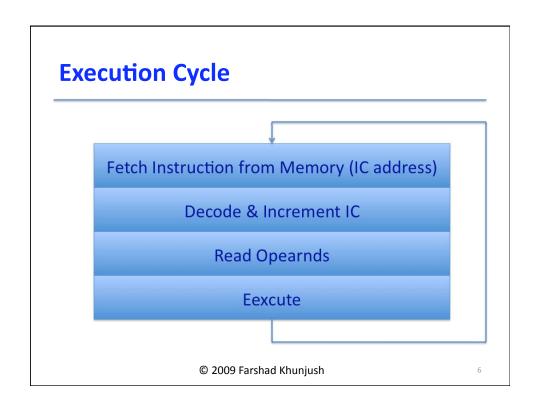


# SAMOS Storage (Data & Instructions) 10,000 Separate Cells (0000 to 9999) OOOO OOO1 9998 9999 © 2009 Farshad Khunjush







## **Executing a Program**

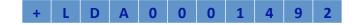
- Reading the program from Input
- Loading the program into the memory
- Starting from address 0000
  - How about having data in address 0000

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## **SAMOS INSTRUCTION SET**

- Load
  - LDA



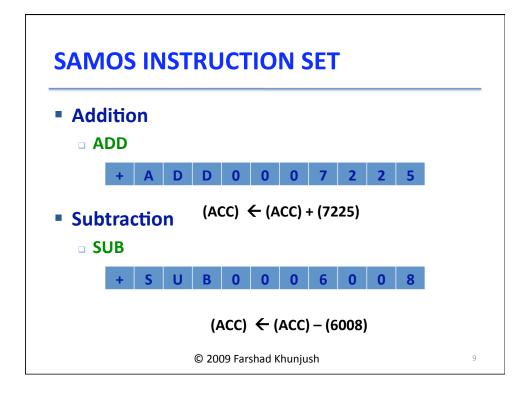
- Store
- (ACC) ← (1492)
- □ STO

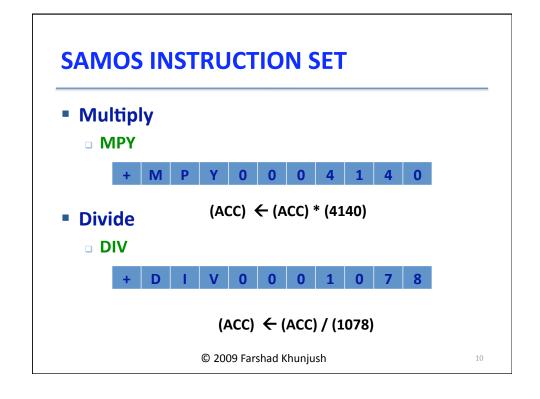


(5001) ← (ACC)

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# SAMOS INSTRUCTION SET

- Halt
  - HLT



(IC) **←** 2022

- Branch Unconditional
  - BRU



(IC) ← 7777

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### **SAMOS INSTRUCTION SET**

- Branch Conditional
  - BMI

+ B M I 0 0 0 1 7 2 9

If ((ACC) < 0): (IC) ← 1729

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