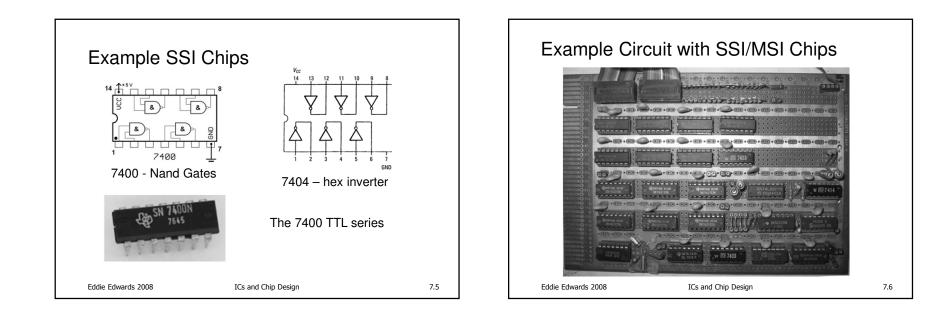
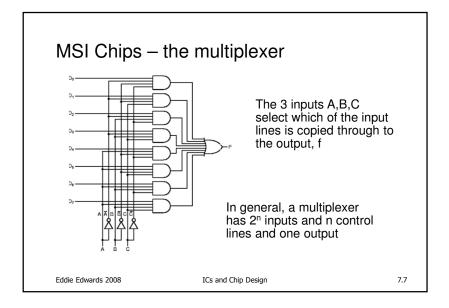
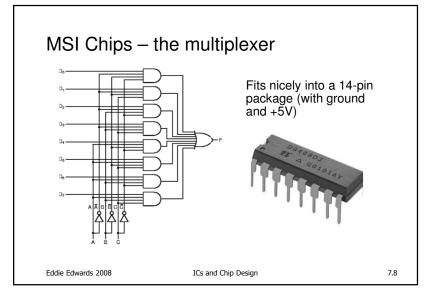
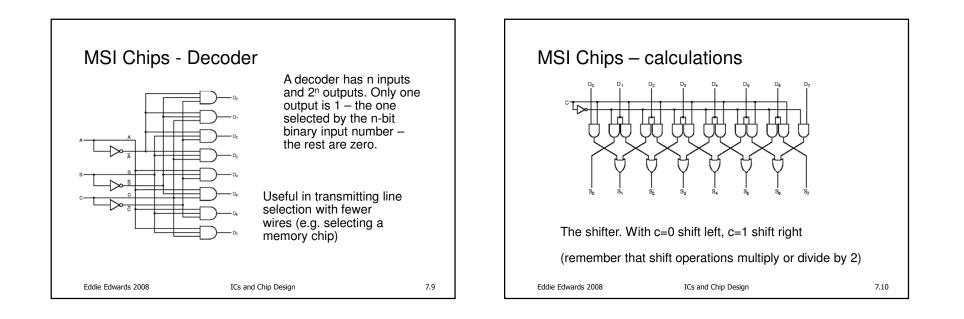


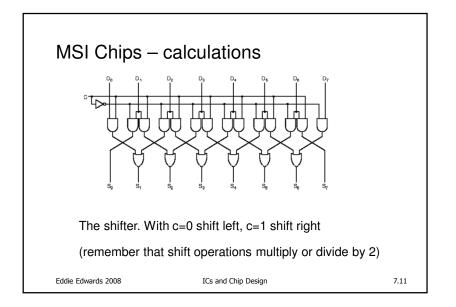
IC - sizes		
Name	Abbreviation	Number of Gates
Small Scale Integrated	SSI	1-10
Medium Scale Integrated	MSI	10-100
Large Scale Integrated	LSI	100-100,000
Very Large Scale Integrated	VLSI	>100,000
Eddie Edwards 2008	ICs and Chip Design	7.4

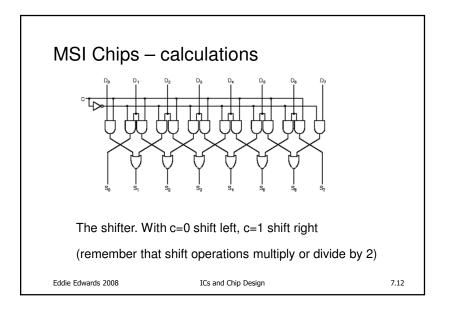


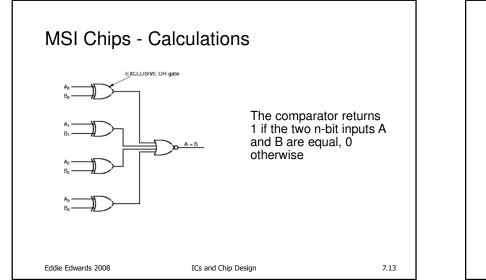


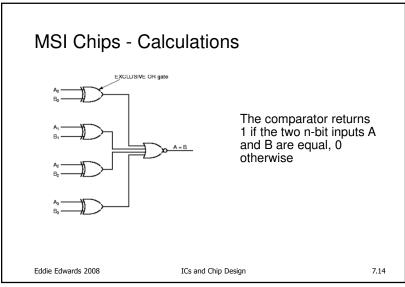


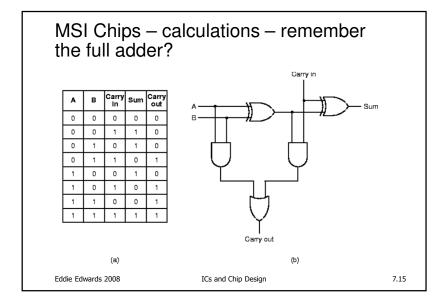


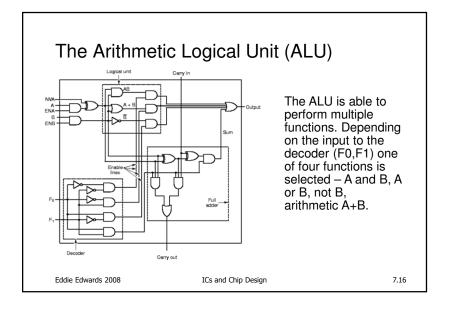


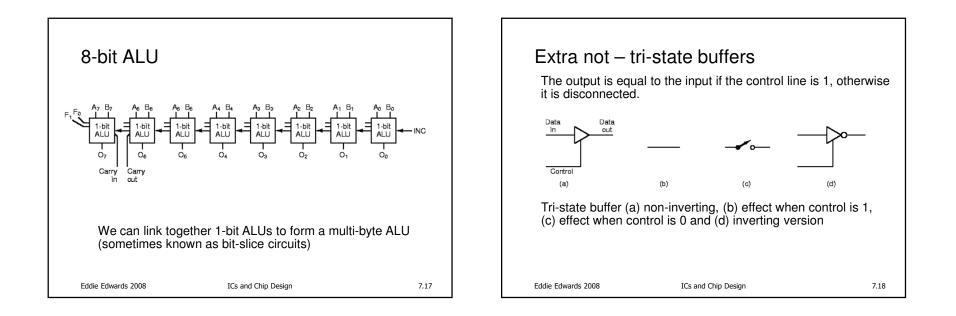


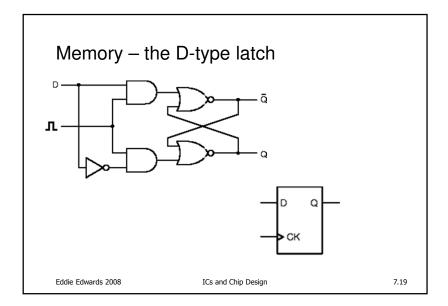


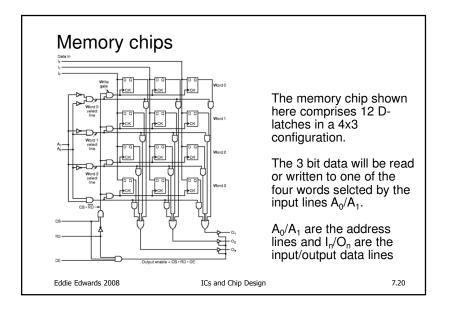


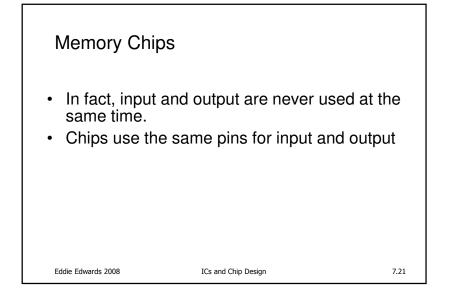


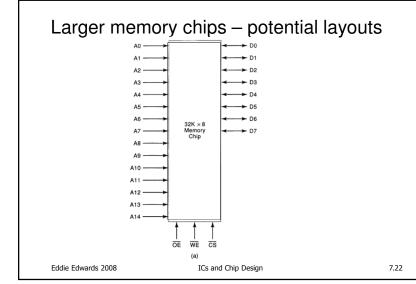


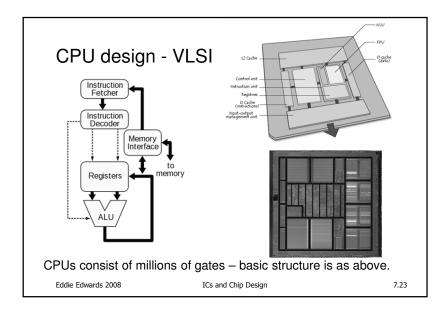












## Summary

- Have shown how gates can be integrated onto chips
- Shown examples of SSI, MSI chips
- Comprehend how circuits can be used for data selection/movement (multiplexers/decoders)
- Understand multiplexers, decoders and arithmetic logical units
- See how basic memory units can be integrated to make memory chips
- Described how addressing can work at the electronic level
- Hopefuly this gives a feel for how a VLSI microprocessor could be put together
  Eddie Edwards 2008 ICs and Chip Design 7.24

This lecture - feedback

The pace of the lecture was:

A. much too fast B. too fast C. about right D. too slow E. much too slow

• The learning objectives were met:

A. Fully B. Mostly C. Partially D. Slightly E. Not at all