

运算器库

□运算器库主要组件

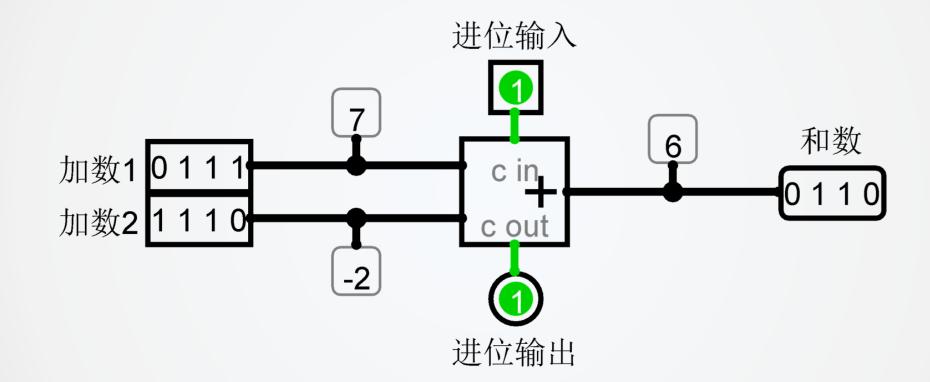
- ■加法器、减法器
- 乘法器、除法器
- 求补器
- ■比较器
- 移位器

- ▼ 🚞 运算器(Arithmetic)
 - **★** 加法器(Adder)
 - 减法器(Subtractor)
 - ▼ 乘法器(Multiplier)

 - → 补码器(Negator)
 - 比较器(Comparator)
 - → 移位器(Shifter)
 - # 逐位加法器(Bit Adder)
 - ? 位查找器(Bit Finder)

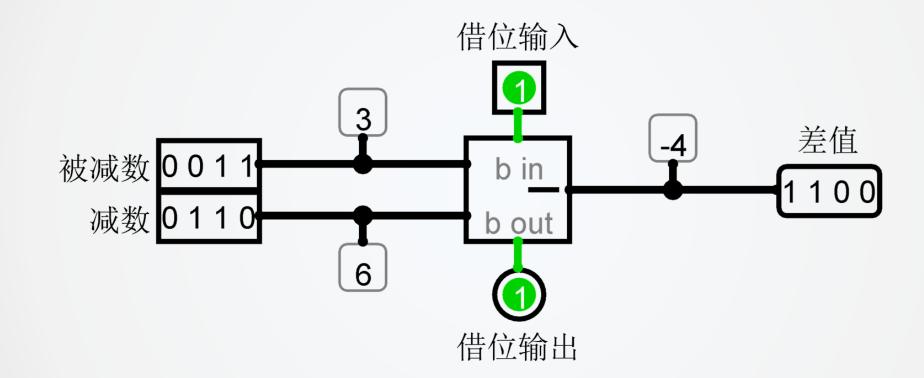
||加法器

功能:带进位信号加法器



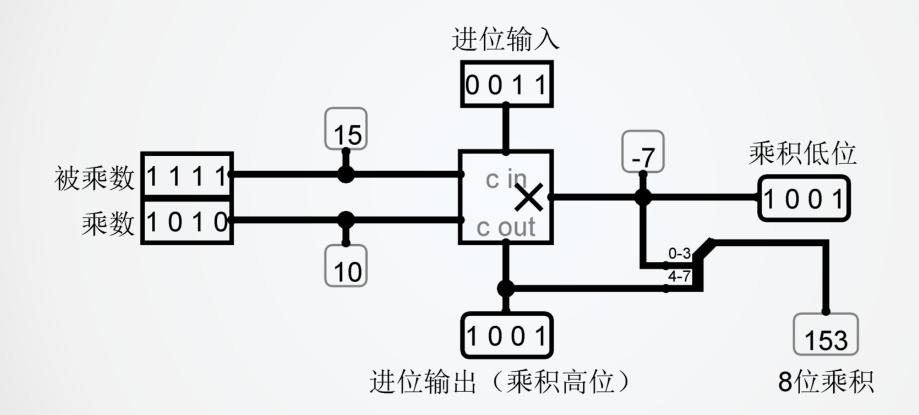
|| 减法器

功能:带借位信号减法器



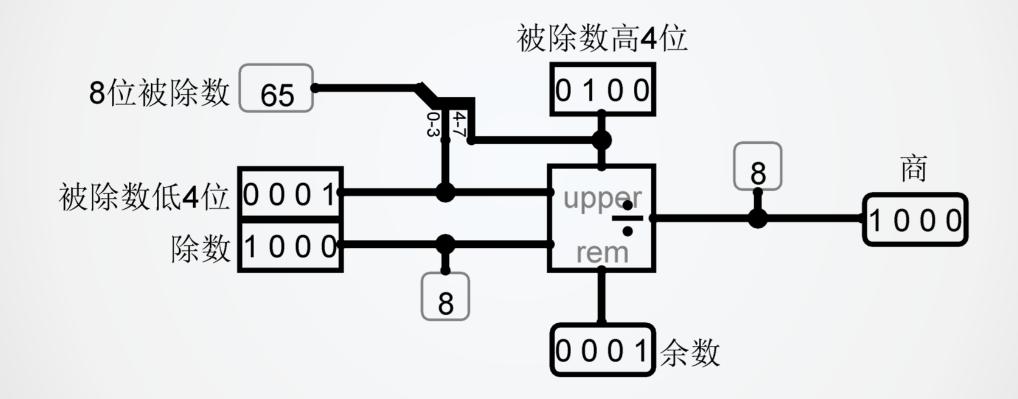
|| 乘法器

功能:无符号乘法器



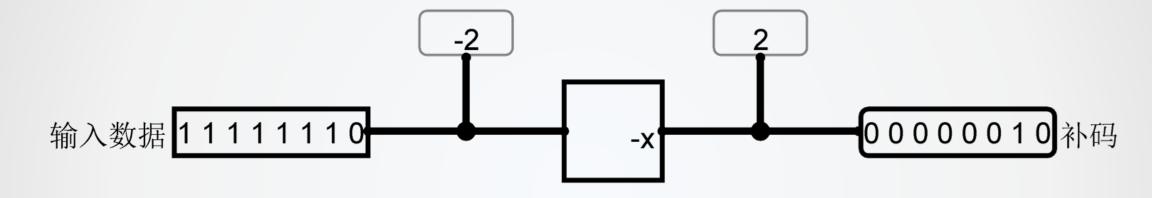
除法器

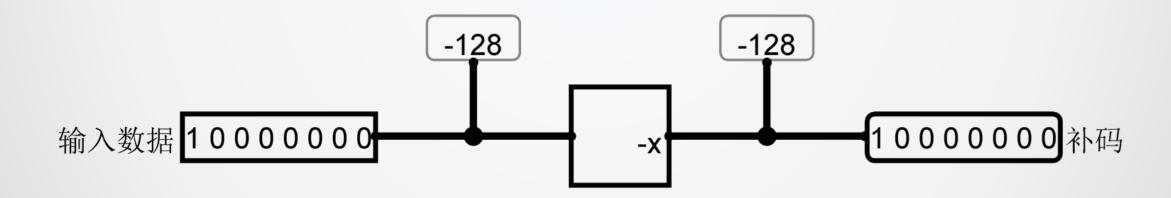
功能:无符号除法器



|| 求补器

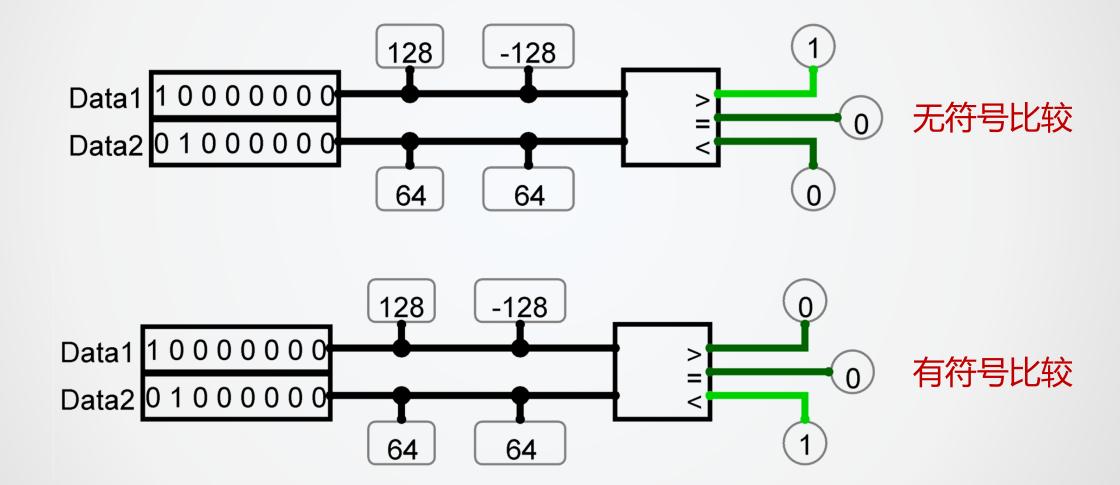
□ 功能:输入x , 求-x的补码





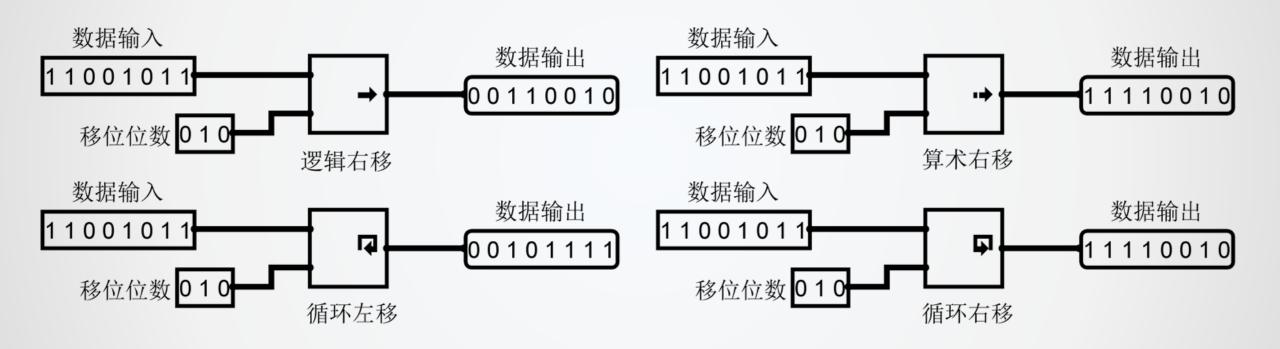
比较器

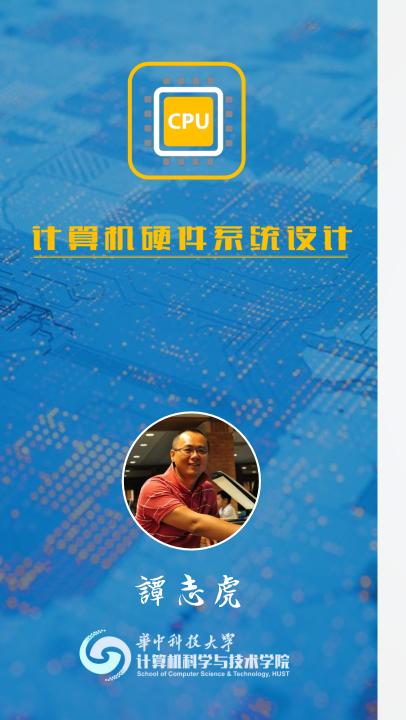
功能:比较两数的大小



∥移位器 Shifter

■ 功能:移位运算器





下节课再见...

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