

Computer Arithmetic: Tutorials



IEEE Floating Point Representation

- ◆ Represent the decimal number 11.75 in IEEE 754 32 bit format

IEEE Floating Point Representation

- ◆ Represent the decimal number 168.125 in IEEE 754 64 bit format

Unsigned Multiplication of Binary Numbers

◆ Multiply $12 * 14$

Booths Algorithm

◆ Multiply $23 * 19$ using Booth's Algorithm

Restoring Division

- ◇ Divide $12 / 3$ using Restoring Division Method

Non-Restoring

- ◆ Divide $17/5$ using non restoring division method



Thank You