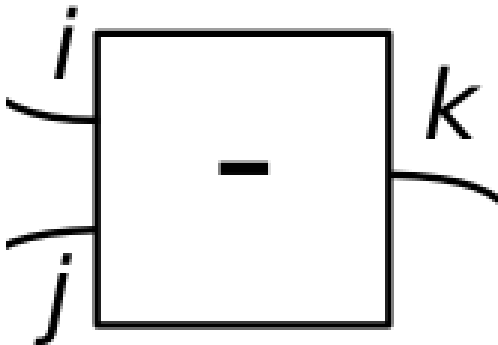


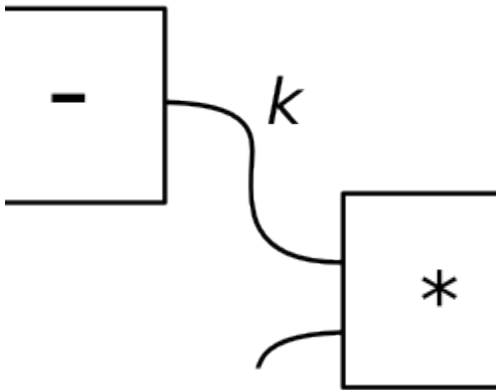
Local Propagation Networks

Daniel Holz

August 30, 2012



- Multiple connectors
 - Operands
 - Result
- Notified when attached wires change
- Sets attached wires if value can be deduced



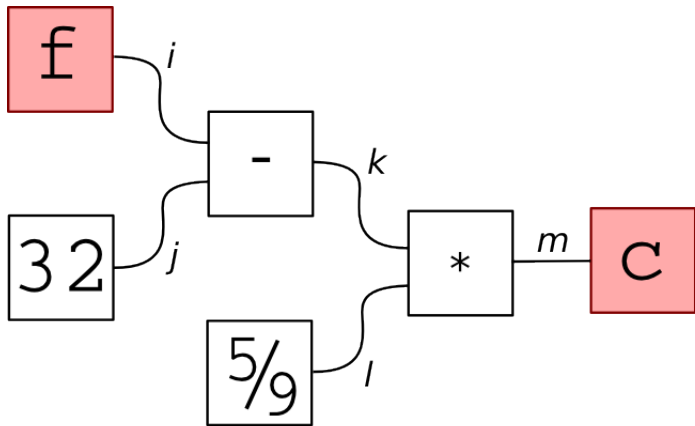
- Multiple attachments
- Value set by a node
 - Only that node can subsequently change
 - Setter node can't check existing value
- Notifies attached nodes when value changes

Convert Celcius and Fahrenheit

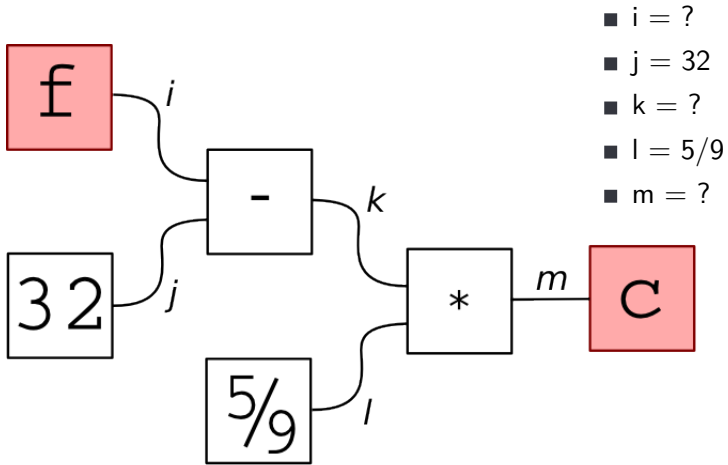
$$f = \frac{9}{5}c + 32$$

$$c = \frac{5(f - 32)}{9}$$

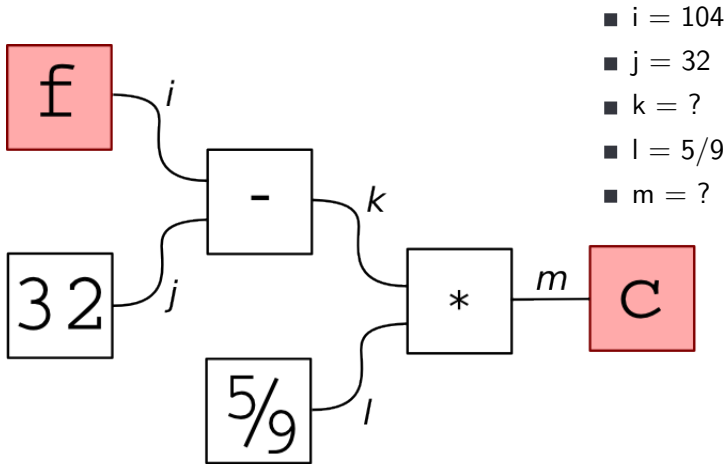
Local Propagation Network



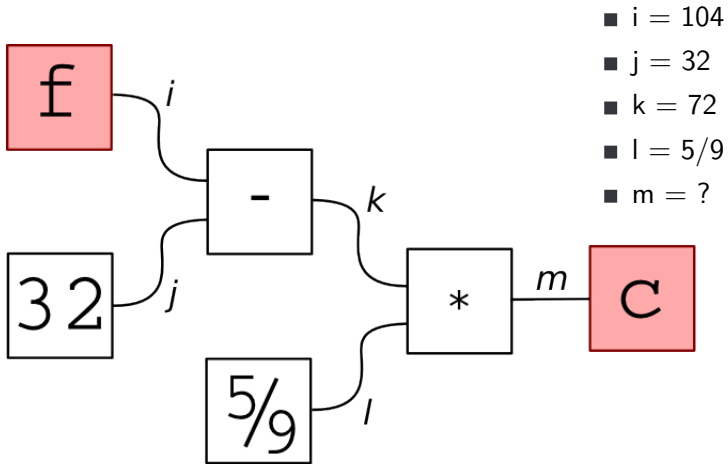
104 Fahrenheit to Celcius



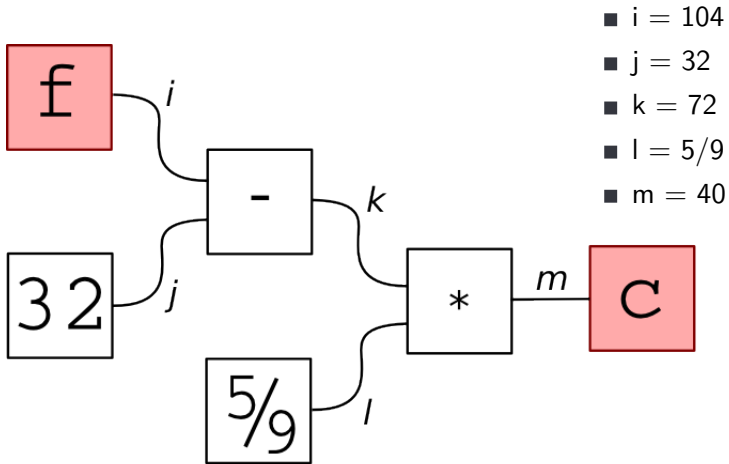
104 Fahrenheit to Celcius



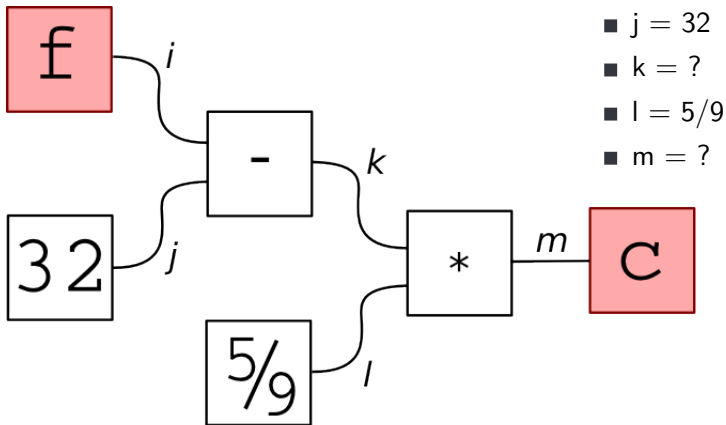
104 Fahrenheit to Celcius



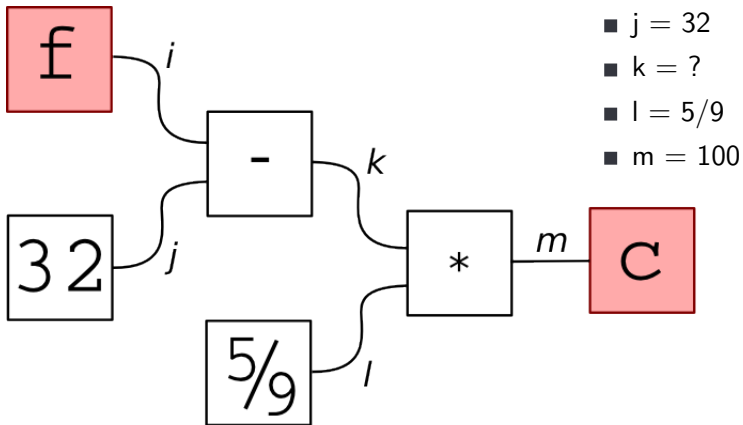
104 Fahrenheit to Celcius



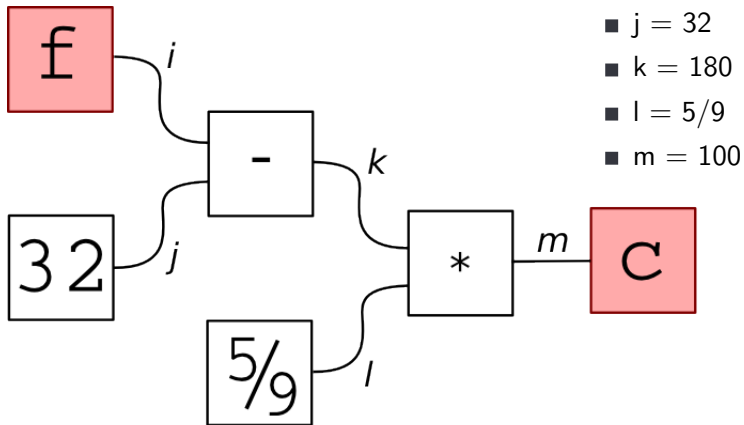
100 Celcius to Fahrenheit



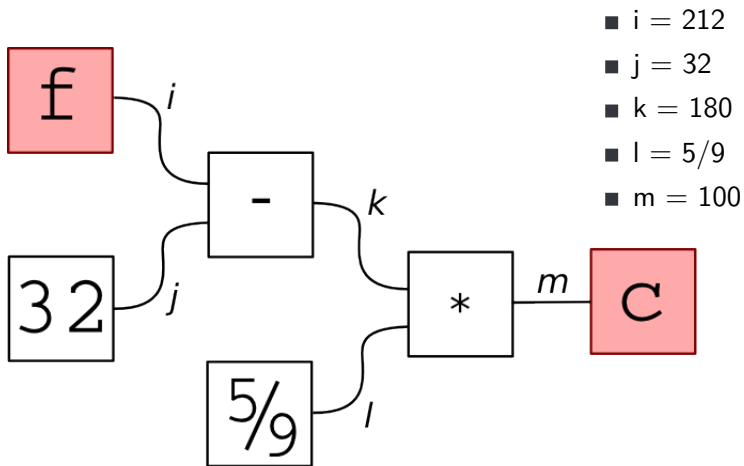
100 Celcius to Fahrenheit



100 Celcius to Fahrenheit



100 Celcius to Fahrenheit



Adding Kelvin

