

Propagators: An Introduction

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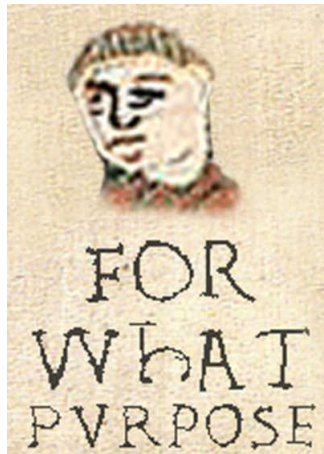
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What?



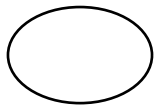
Why?

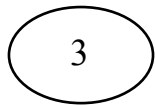
The propagator model is a model of computation

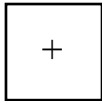
We model computations as *propagator networks*

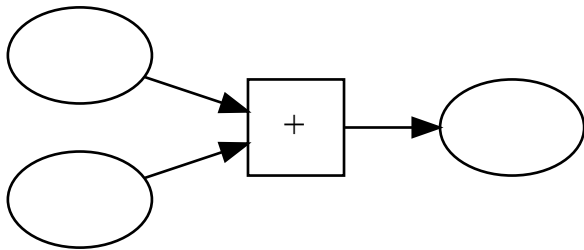
A propagator network comprises

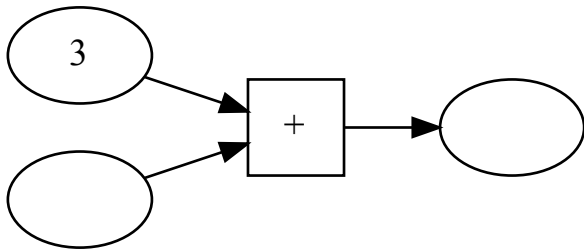
- ▶ cells
- ▶ propagators
- ▶ connections between cells and propagators

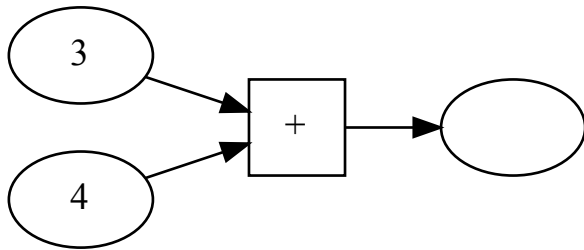


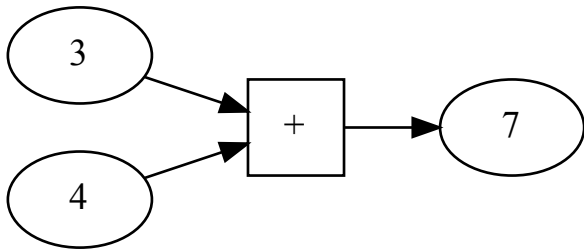












$$z \leftarrow x + y$$

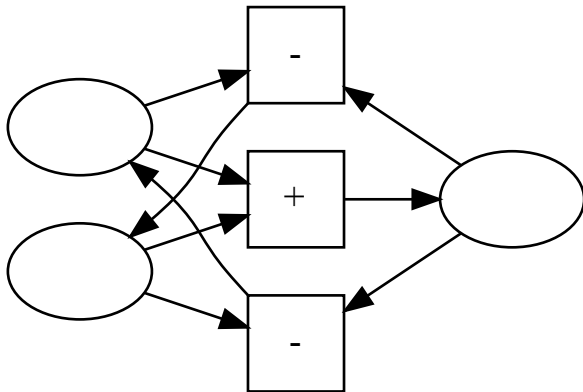
$$z = x + y$$

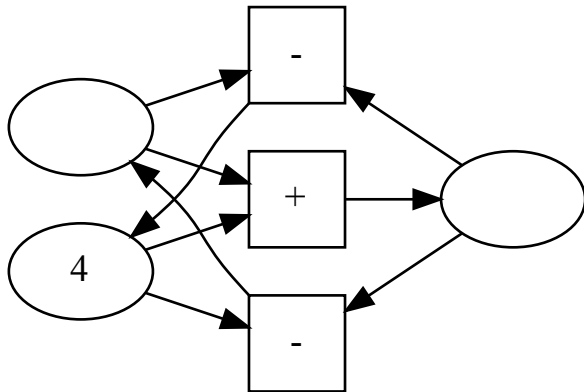
$$7 = x + 4$$

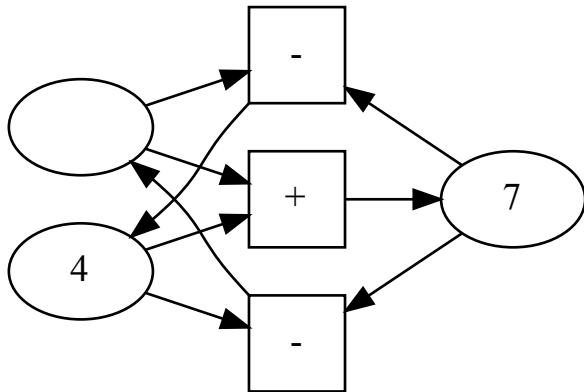
$$z \leftarrow x + y$$

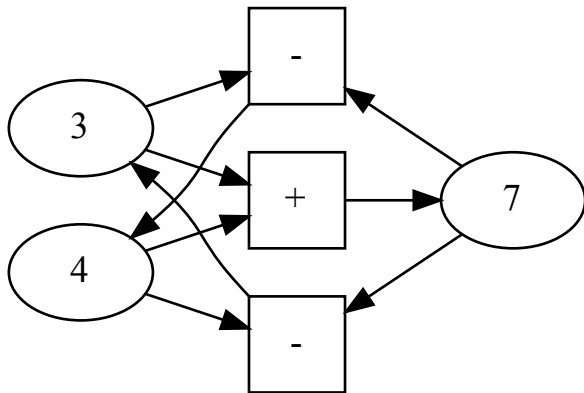
$$x \leftarrow z - y$$

$$y \leftarrow z - x$$









Propagators let us express multidirectional relationships

