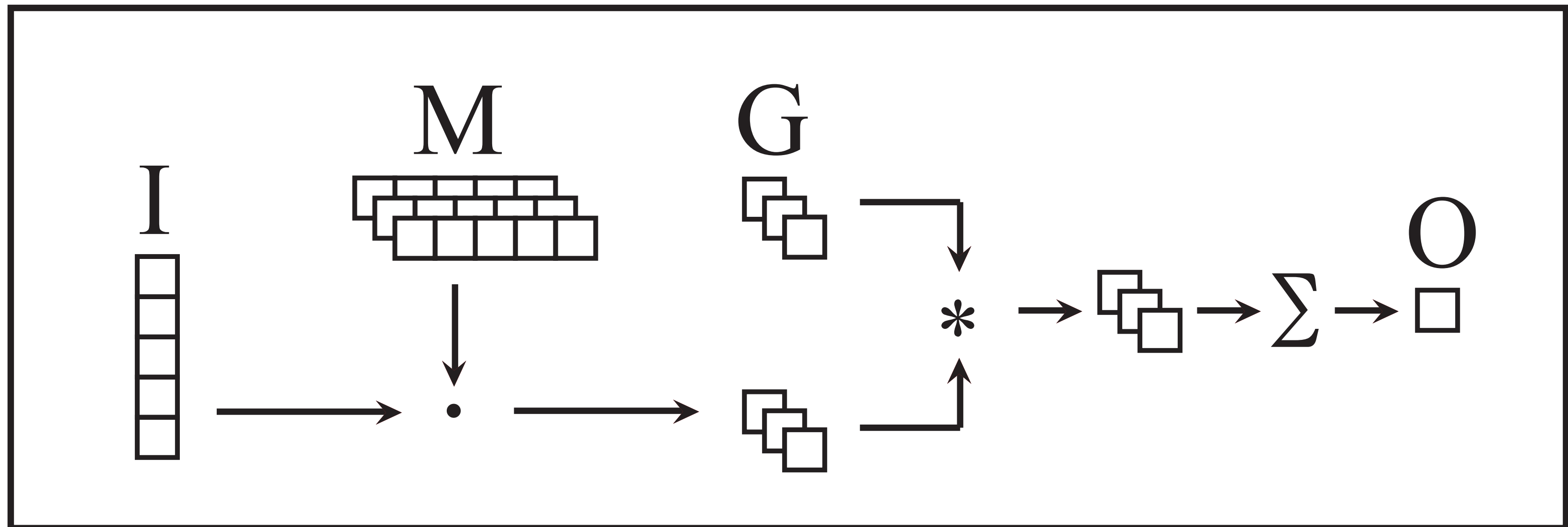


A Single Memory Term



$$O = \sum_{i=1}^L \underbrace{g^{i \rightarrow j}}_G * \underbrace{U^{i \rightarrow j}}_M \cdot \underbrace{h^i}_{I_{t-1}}$$

Legend	
G	gates
I	hidden values from previous time step
O	output
M	network memory weights
<hr/>	
.	dot product
*	elem-wise product
Σ	sumation