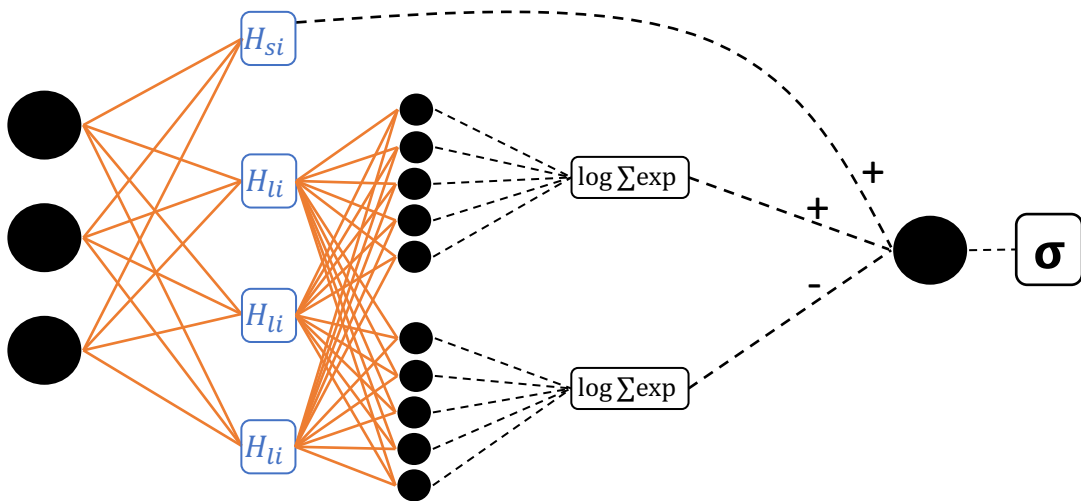
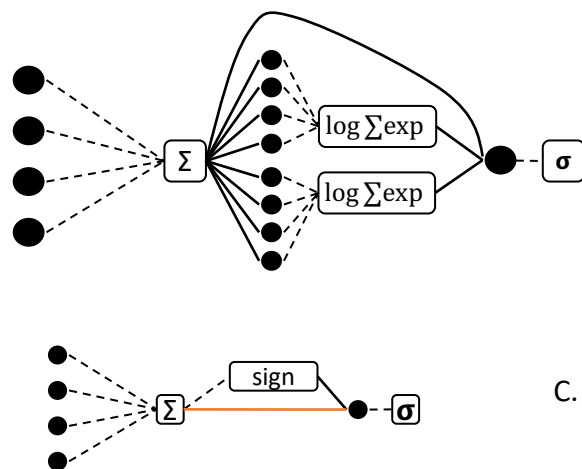
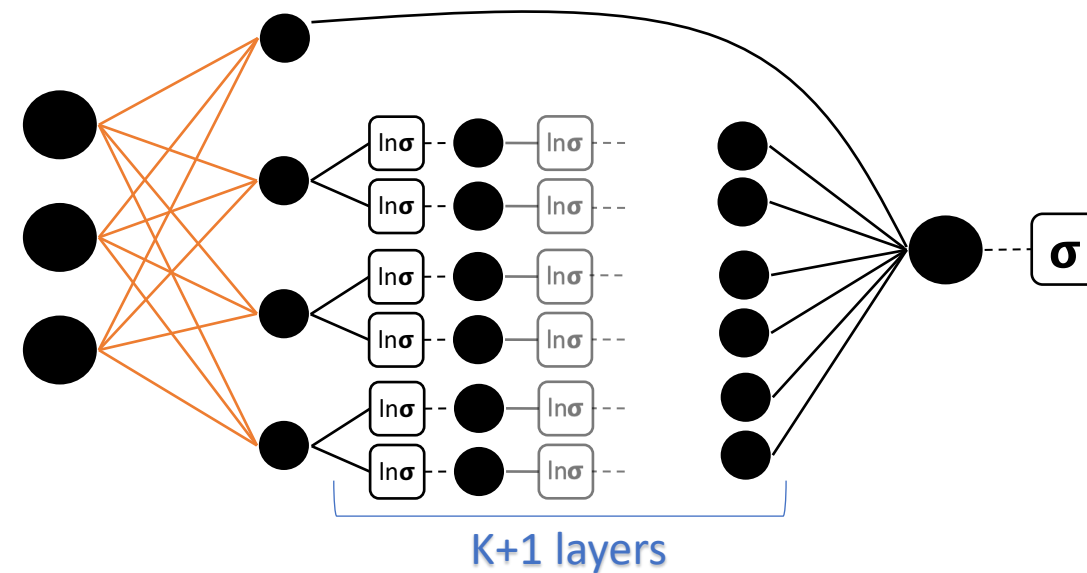


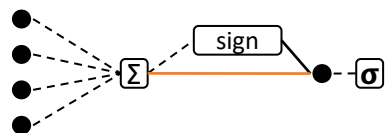
## A. General exact representation



## D. SK spin glass [k-RSB]



B. Curie-Weiss [Exact]



C. Curie-Weiss [Saddle Point]

- Input value
- Non-linear function
- Linear operator [bias (b), weight (w), input (x)]:  $b + wx$
- Connector, identity operator.
- Linear operator. Shared params fixed by the Hamiltonian.