Environment $\Rightarrow$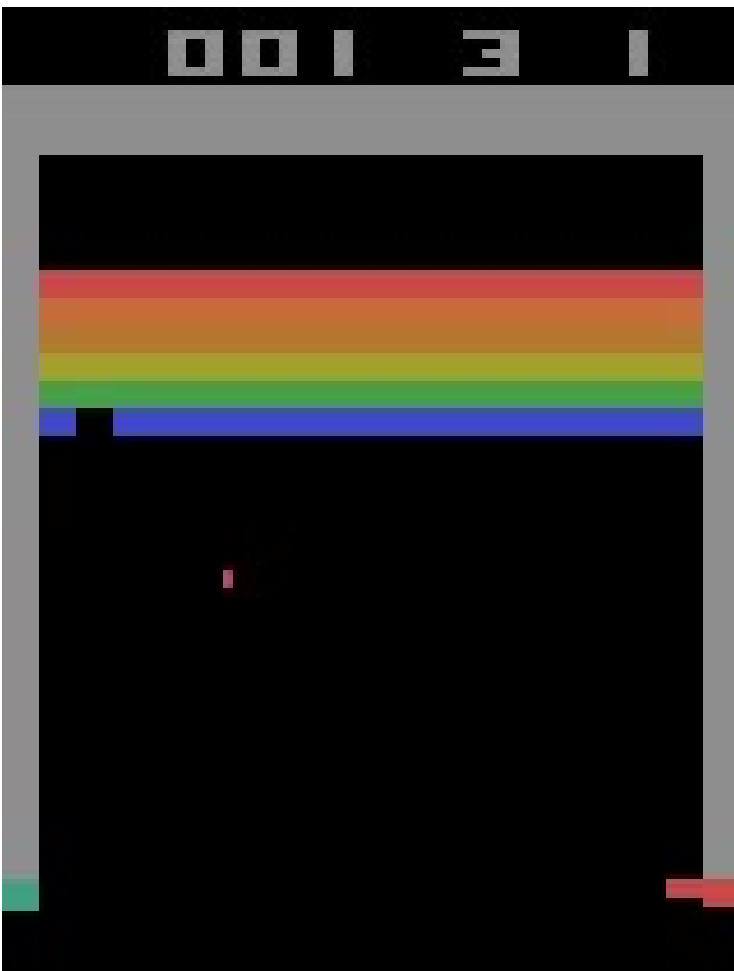 Sparse Causal Graph