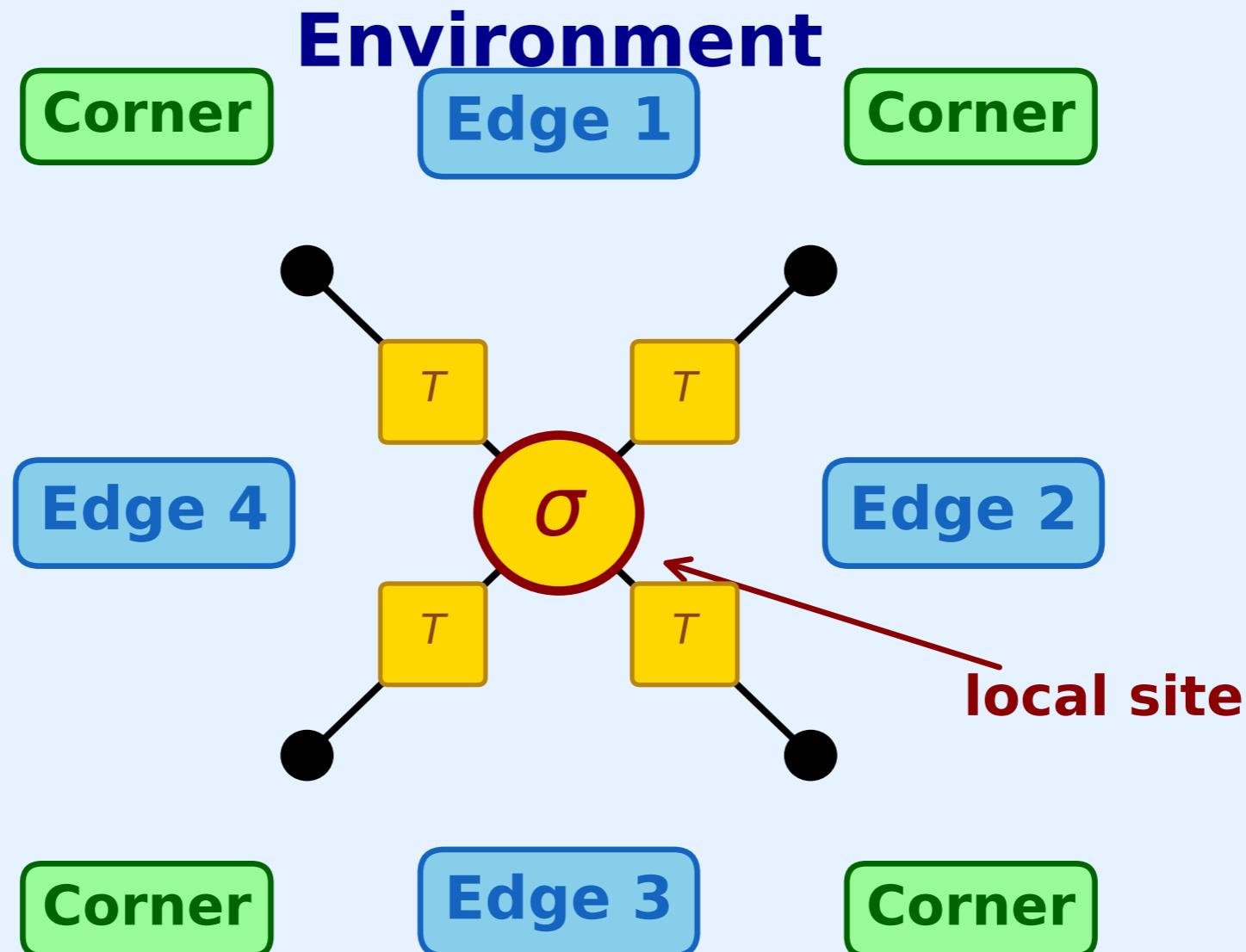


Only need local $\langle \sigma \rangle$? \Rightarrow Compress the environment!



$$\langle \sigma \rangle = \frac{\text{Tr}(\text{Environment} \cdot \sigma)}{\text{Tr}(\text{Environment})}$$