

learns to do inference in a graphical model where the prior over programs,  $\mathcal{G}$ , is defined by prompting an LLM with example code in  $\mathcal{D}_{seed}$ , while the likelihood

Figure 1: Left: Data generation pipeline. Right: The fine-tuned network  $q_{\theta}$ 

 $p(Y|\rho,X)$  is defined by program execution.