## **Relative Number of Iterations to achieve Goal State** of Iterations **Interactive - Validated** 3.0 2.7 2.5 2.2 2.0 1.8 1.7 1.8 1.8 Number 1.5 1.5 1.5 1.5 1.5 1.3 1.3 1.1 1.2 1.2 1.1 1.1 1.0 Relative Number of IterationRelative 0.5 Model 0.0 GPT-40 **Interactive - Restricted** Llama 3.0 Mixtral 2.5 2.0 1.8 1.4 1.5 1.5 1.3 1.3 1.3 1.3 1.3 1.2 1.1 1.1 1.1 1.1 1.0 0.5 2 4 6 8 10 12 **Optimal Plan Length (Number of Actions)**