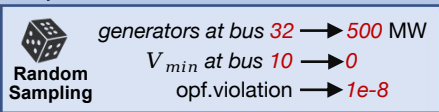
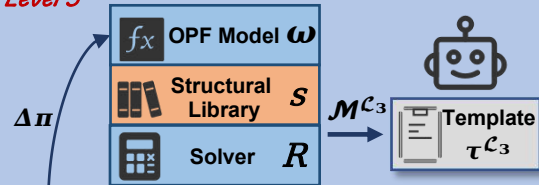


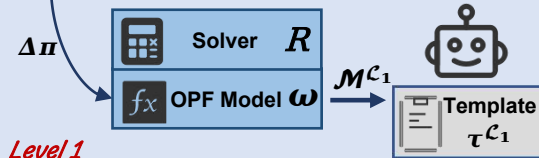
Structural Extensions
($S \in \Omega_s$)

Level 3



Base OPF
($S \in \emptyset$)

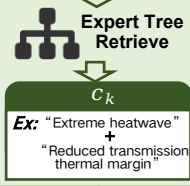
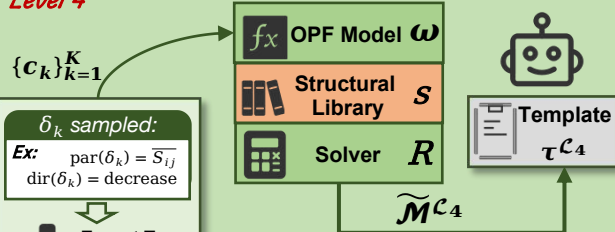
Level 1



Explicit Instruction

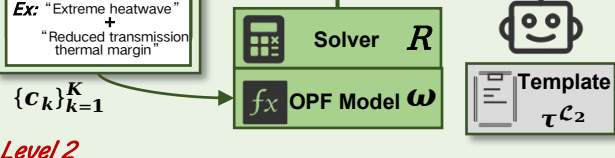
EX: "increase active loads at bus 7 by 10%"

Level 4



$\{C_k\}_{k=1}^K$

Level 2



Semantic Inference

EX: "heatwave conditions with elevated risk of transmission line thermal sag"

Data Cleaning & Text Refinement

