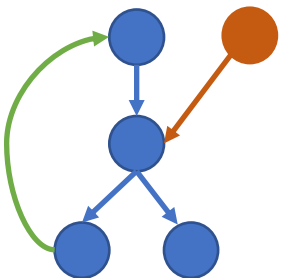
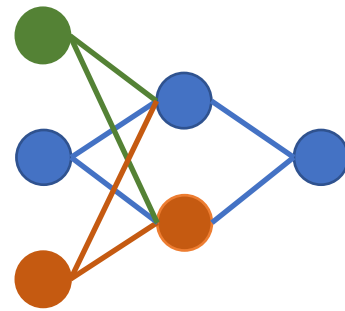
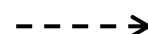




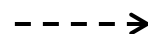
Sequential code



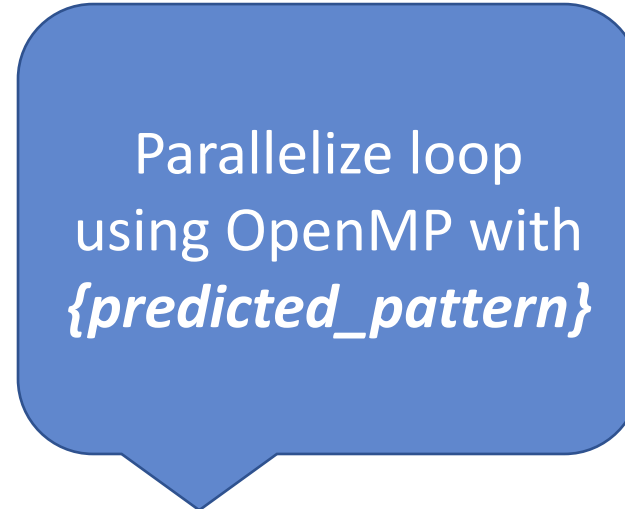
Flow-aware  
program  
representation  
(PerfoGraph)



Querying trained GNN



Yes  
-->



GNN-guided OMP  
prompt



LLM



Parallel code

No  
↓



Output sequential Code