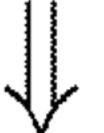


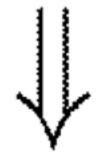
Decomposition

AST of **Prog**_{ori}



- Control-Dependence
- Data-Dependence

SDG of $Prog_{ori}$



- Resource Constraint
- Calculation units (CUs)

Decomposition Model

Collaboration

Exact number of $Prog_{cu}s$



- Communication
- Synchronization

Collaboration Model