

Nomenclature

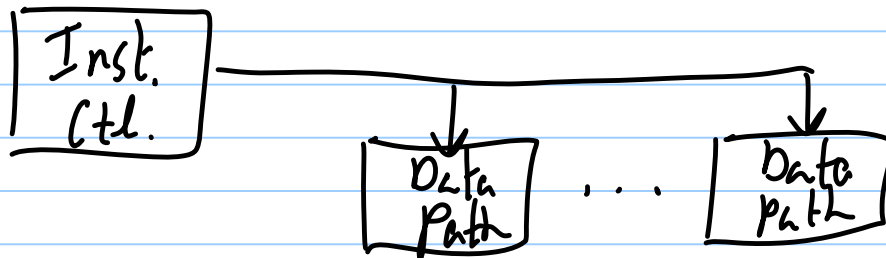
Flynn (1966)

SISD Single Instruction / Single Data Stream

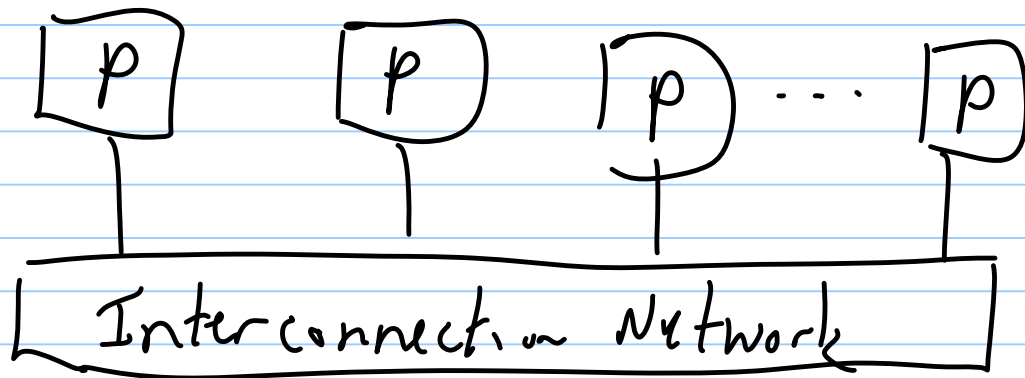
classic uniprocessor



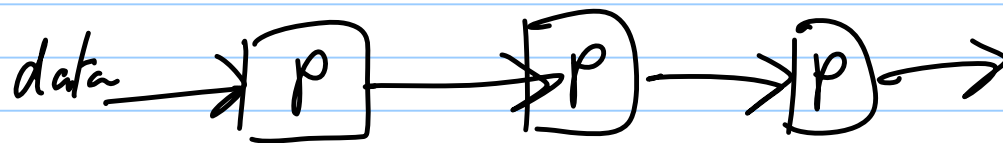
SIMD Single Inst. / Multiple Data //



MIMD Multiple Inst / Multiple Data



MISD Mult Inst / Single Data



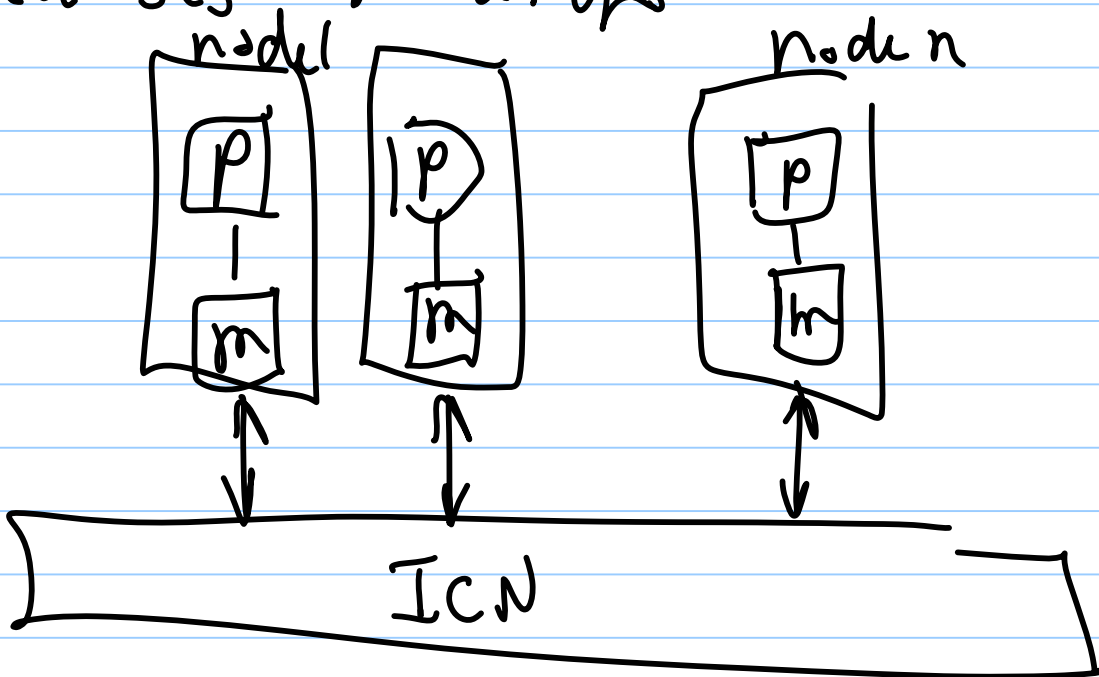
pipeline
stream

def within MIMD class of machines

SPMD → Single Program / Mult Data

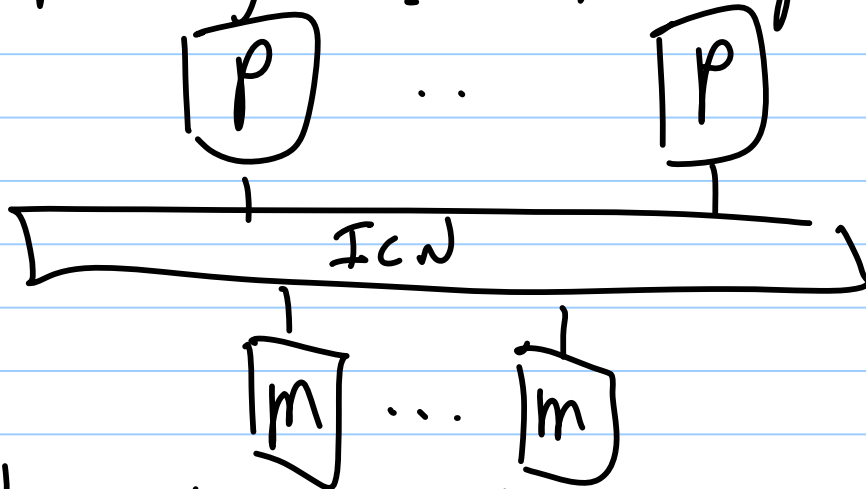
Functional Decomposition

classes of archs



TCN dedicated network CRAY XT
commodity " NOW
memory is private
separate OS kernel on each node

SMP symmetric multi-processor



→ physically shared memory
IcW bus | OS kernel

