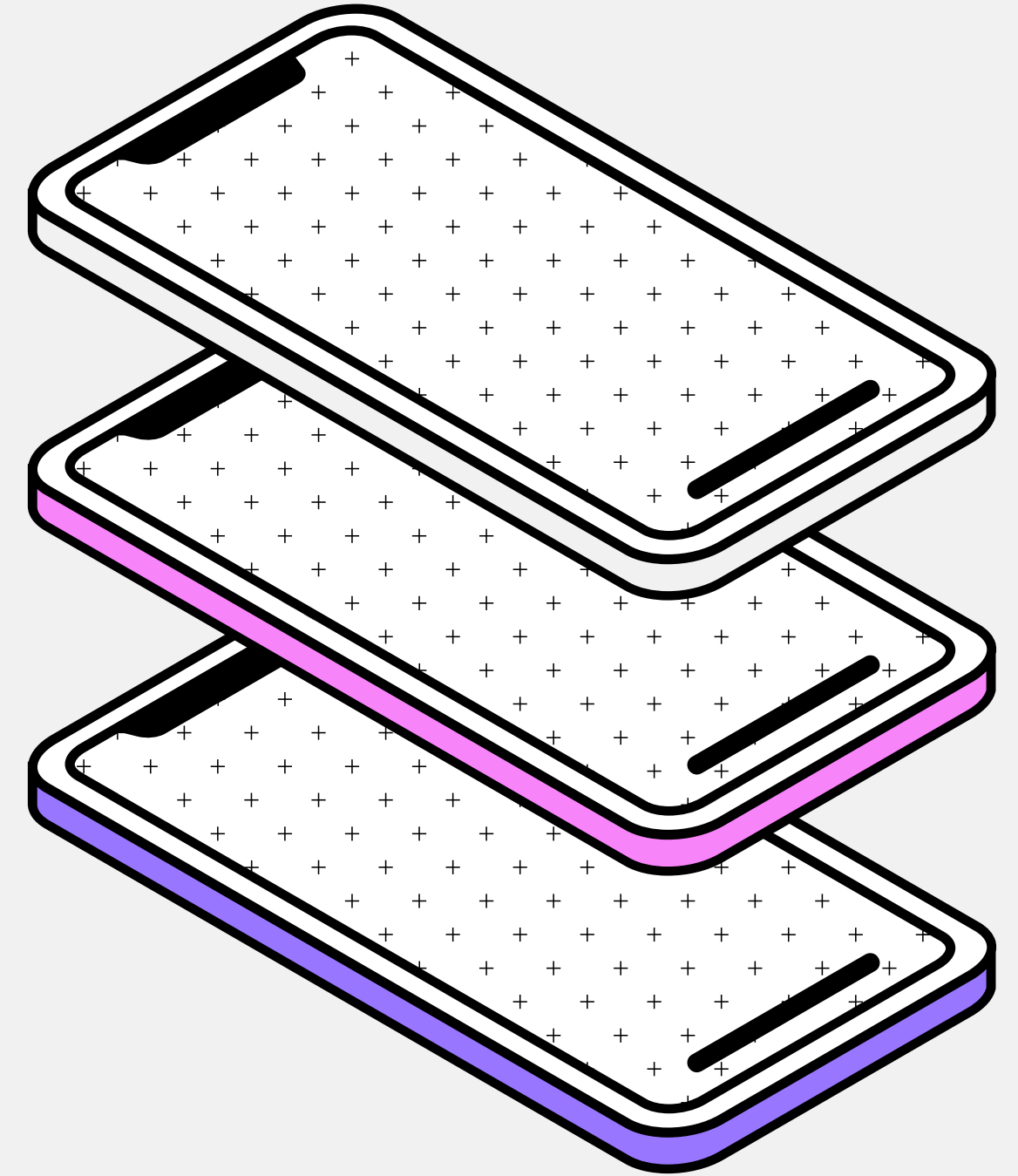


Entendendo o MPI

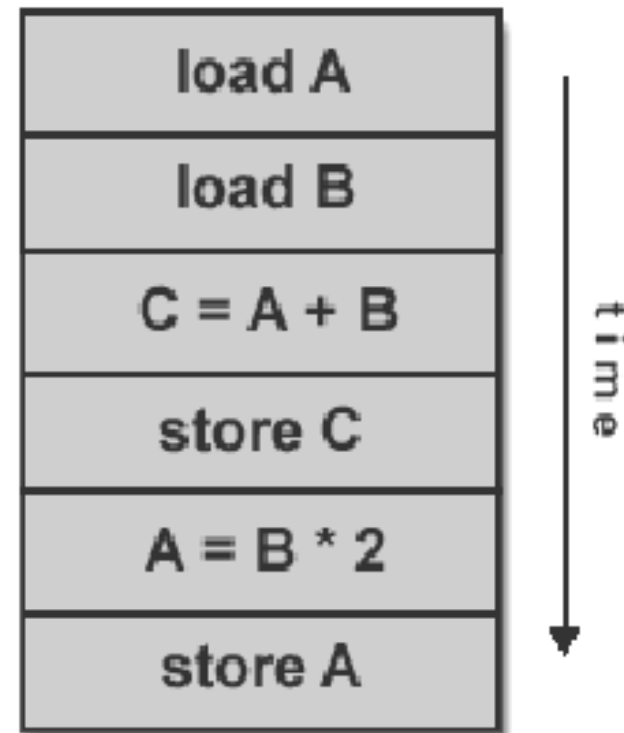
João Pedro Moura Oliveira - 19/0030879



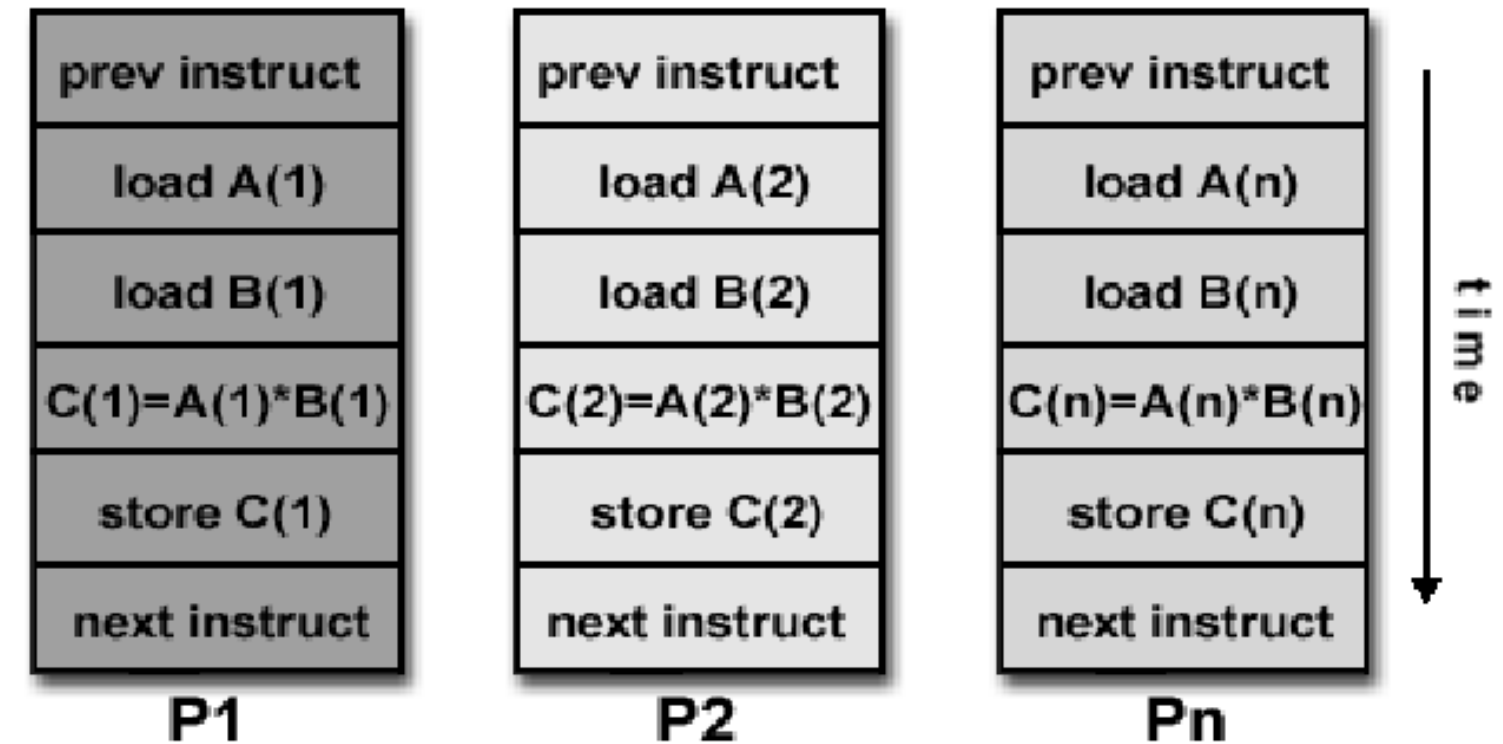
Conceitos Básicos

Arquiteturas de Implementação

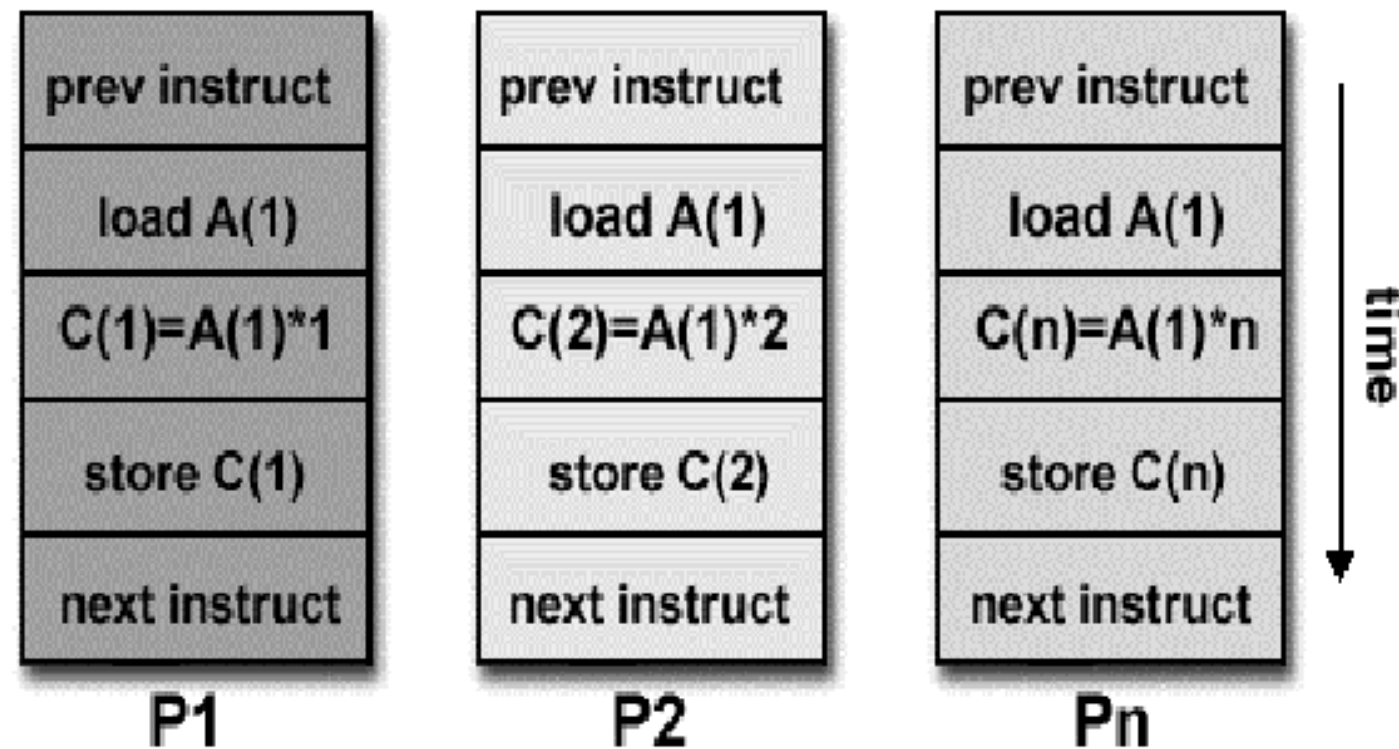
Single Instruction, Single Data (SISD)



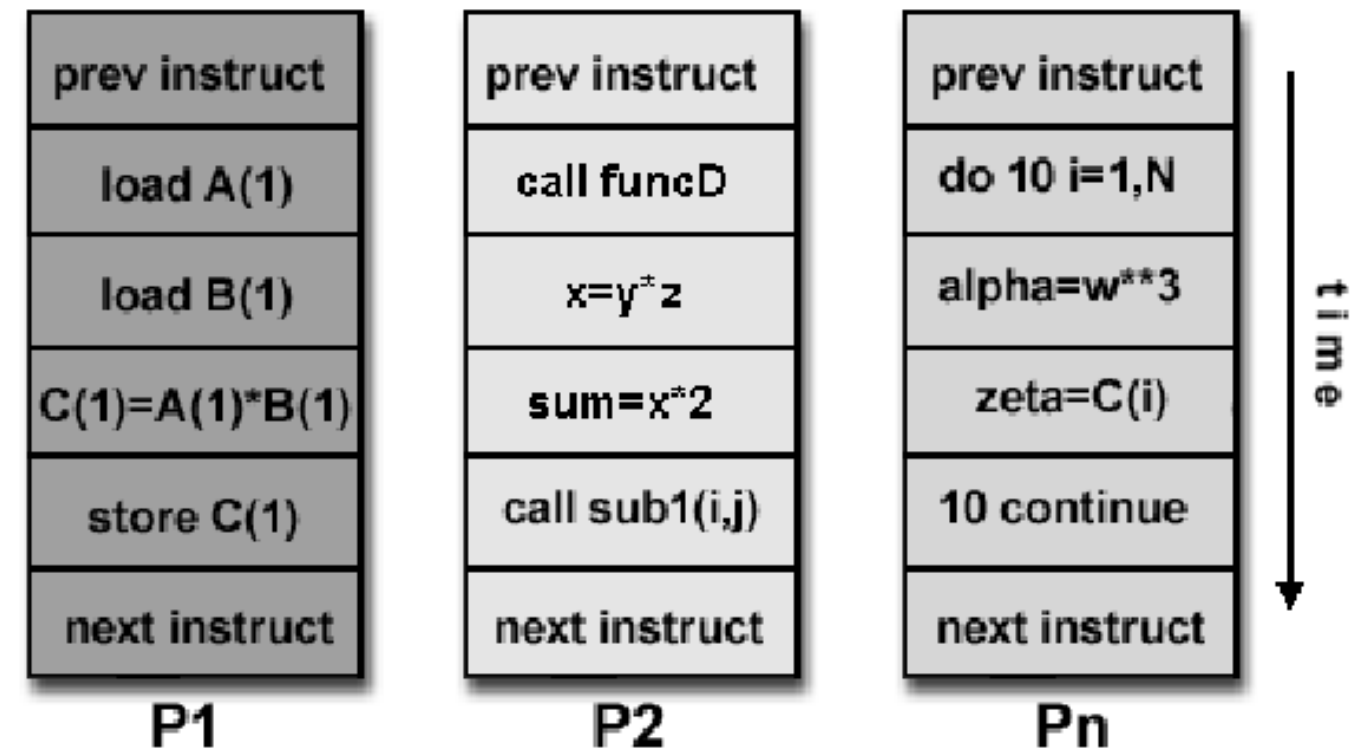
Single Instruction, Multiple Data (SIMD)



Multiple Instruction, Single Data (MISD)



Multiple Instruction, Multiple Data (MIMD)



Conceitos Básicos

Terminologias do MPI

Aplication Buffer

System Buffer

Blocking Comunication

Non-Blocking Comunication

Return Code

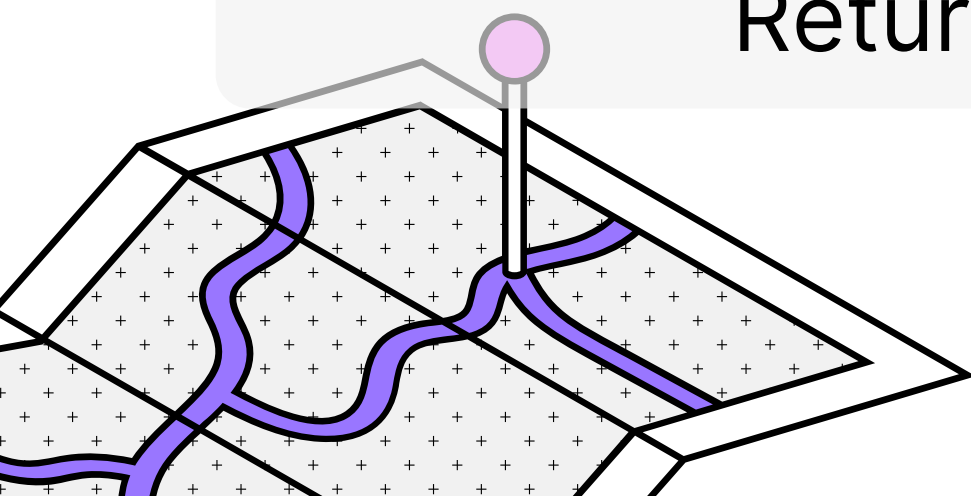
Standard Send

Synchronous Send

Buffered Send

Ready Send

Standard Receive





Comandos Utilizados

MPI_Init

Inicia ambiente MPI

MPI_Finalize

Finaliza o ambiente
MPI

MPI_Conn_rank

Retorna o
identificador do
processo

MPI_Conn_size

Retorna a
quantidade de
processos daquele
ambiente

MPI_Send

Envia mensagem
de um processo
para outro

MPI_Recv

Recebe a
mensagem que foi
enviada por um
processo