

Initialization

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if( me == 0 ){
    matrix A,B,C,X;
    request reqS1, reqS2, reqR1, reqR2;
    int req;
}

if( me == 1 ){
    matrix A,B,C,Y;
    request reqS0, reqR0, reqR2;
    int req;
}

if( me == 2 ){
    matrix fA,C,Z;
    request reqS0, reqS1, reqR0;
}

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<pre> if(me == 0){ Isend(A, 1, reqS1); Irecv(B, 1, reqR1); Irecv(C, 2, reqR2); X = A; f(X); // X = f(A); Isend(X, 2, reqS2); Wait(reqS1); A = 0; for(req=0; req<2; req++){ WaitAny(reqR1, reqR2); if(reqR1) A = A + B; if(reqR2) A = A + C; } Wait(reqS2); X = X + A; } </pre>	<pre> if(me == 1){ Isend(B, 0, reqS0); Irecv(A, 0, reqR0); Irecv(C, 2, reqR2); Y = g(B); for(req=0; req<2; req++){ WaitAny(reqR0, reqR2); if(reqR0) Y = Y + A; if(reqR2) Y = Y - C; } // Wait(reqS0); } </pre>	<pre> if(me == 2){ Isend(C, 0, reqS0); Isend(C, 1, reqS1); Irecv(fA, 0, reqR0); Z = g(C); Wait(reqR0) Z = Z + fA; //Wait(reqS0); //Wait(reqS1); } </pre>
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