chan vector[n](double v[n]);  // messages to workers
chan result(double v[n]);  // rows of c to coordinator

process Coordinator {
    double a[n,n], b[n,n], c[n,n];
    initialize a and b;
    for [i = 0 to n-1]  // send all rows of a
        send vector[0](a[i,*]);
    for [i = 0 to n-1]  // send all columns of b
        send vector[0](b[* ,i]);
    for [i = n-1 to 0]  // receive rows of c
        receive result(c[i,*]);  // in reverse order
}