```
process worker[i = 0 to n-1] {
  double a[n];     # row i of matrix a
  double b[n,n];   # all of matrix b
  double c[n];     # row i of matrix c
  receive initial values for vector a and matrix b;
  for [j = 0 to n-1] {
    c[j] = 0.0;
    for [k = 0 to n-1]
      c[j] = c[j] + a[k] * b[k,j];
  }
  send result vector c to the coordinator process;
}

process coordinator {
  double a[n,n];   # source matrix a
  double b[n,n];   # source matrix b
  double c[n,n];   # result matrix c
  initialize a and b;
  for [i = 0 to n-1] {
    send row i of a to worker[i];
    send all of b to worker[i];
  }
  for [i = 0 to n-1]
    receive row i of c from worker[i];
  print the results, which are now in matrix c;
}
```

Matrix Multiplication Using Coordinator/Worker Interaction