```
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
}
```

Figure 9.6 (a) Matrix multiplication pipeline: Coordinator process.