```
int A[4];
#pragma xmp nodes P(2)
#pragma xmp template T(0:3)
#pragma xmp distribute T(block) onto P
                                           Node 1
                                                                      Node 2
#pragma xmp align A[i] with T(i)
#pragma xmp shadow A[1]
                                                out(A[1])
                                    out(A[0])
                                                                out(A[2])
                                                                            out(A[3])
#pragma xmp tasklets
                                                                in(A[2])
                                                 in(A[1])
#pragma xmp loop (i) on T(i)
  for (int i = 0; i < 4; i++) {
                                                out(A[2])
                                                                out(A[1])
#pragma xmp tasklet in(A[i]) on T(i)
    A[i] = i; /* taskA */
                                                                              taskA
                                                           dependency
#pragma xmp tasklet reflect(A)
                                                                              taskB
  /* taskB */
                                                            send/recv
```