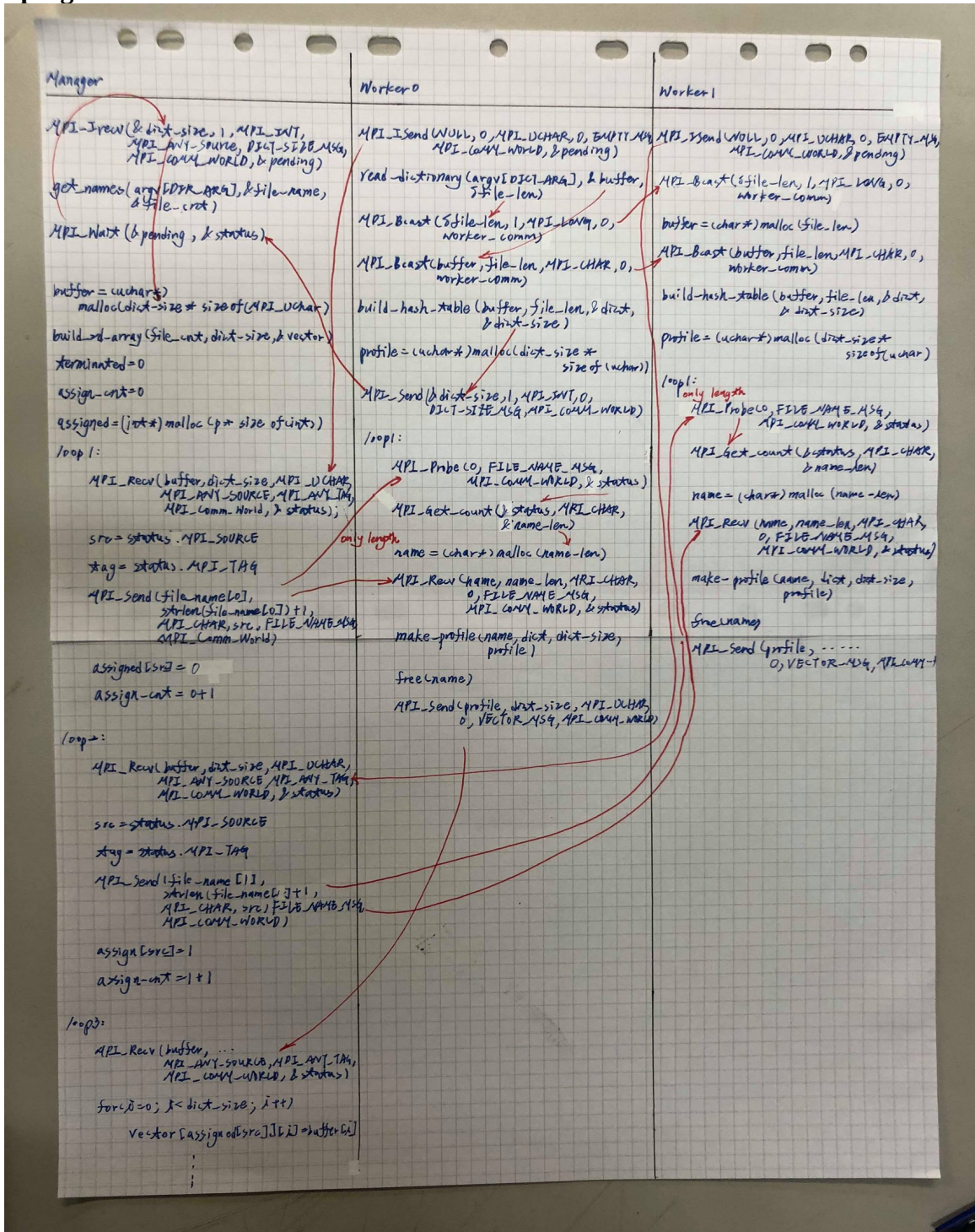# Mapping the MPI_SEND/MPI_Isend to MPI_Recv/MPI_Irece between manager program and worker program.

Explain why the program uses non-blocking send/receive MPI functions. Explain why there is no dead-lock problem.

因為在 manager 使用 Irecv 來從 worker0 取得字典的大小時，他可以先做 recognize document，直到 call wait function，藉此節省一點時間。由於 Irecv, Isend 都是 non-blocking point-to-point communication，所以不會因為 all process recv before send 的 dead-lock 問題。