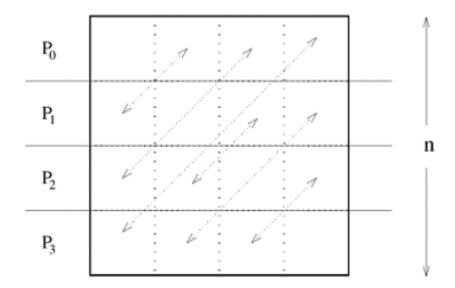
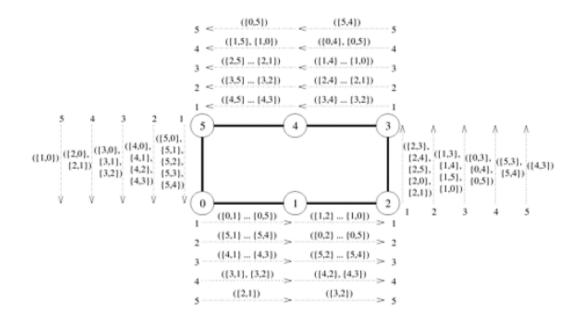
All-to-All Personalized Communication



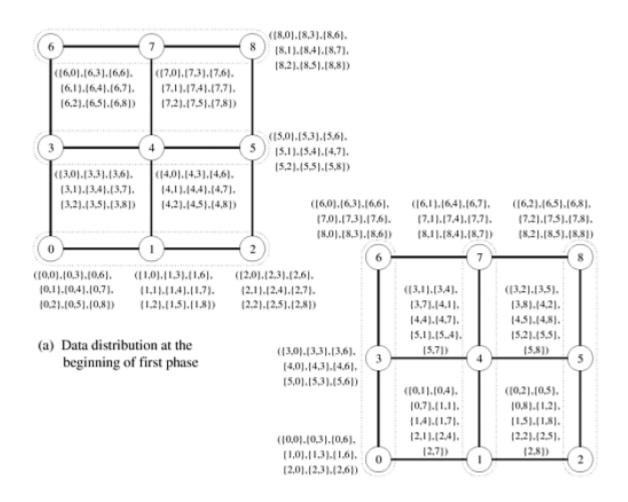
All-to-all personalized communication in transposing a 4 x 4 matrix using four processes



All-to-all personalized communication on a six-node ring

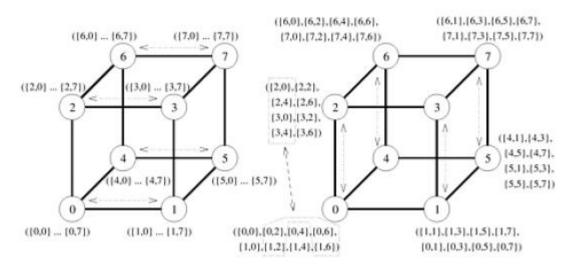


The distribution of messages at the beginning of each phase of all-to-all personalized communication on a 3 x 3 mesh

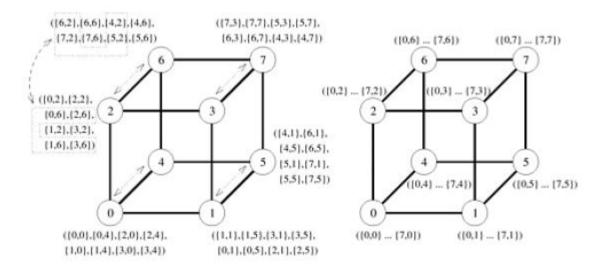


(b) Data distribution at the beginning of second phase

An all-to-all personalized communication algorithm on a three-dimensional hypercube



- (a) Initial distribution of messages
- (b) Distribution before the second step



- (c) Distribution before the third step
- (d) Final distribution of messages

Seven steps in all-to-all personalized communication on an eight-node hypercube

