Christian Schindelhauer

Freiburg, the 24 January, 2014
Discussion 31 January, 2014

Exercise for the lecture

Algorithms for Radio Networks

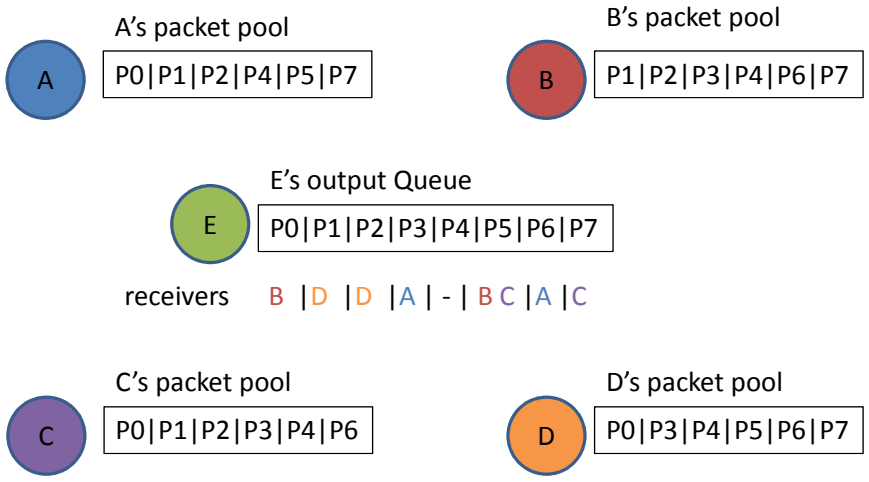
Winter 2013/14

Sheet 5

EXERCISE 1:

1. **Opportunistic Coding**

   Consider the following network that contains the nodes (A,B,C,D,E). Node E is aware of the packet pools of its neighbors and all of them are in transmission range of node E. Node's E goal is to maximize throughput through COPE.



2. **Data Flow**

   - Find the maximum flow from the source G to the destination D by applying the Edmonds-Karp algorithm. Show the path found during each step from G to D in separate figure.
   - Find the minimum cut of the network graph between node A and node D.