

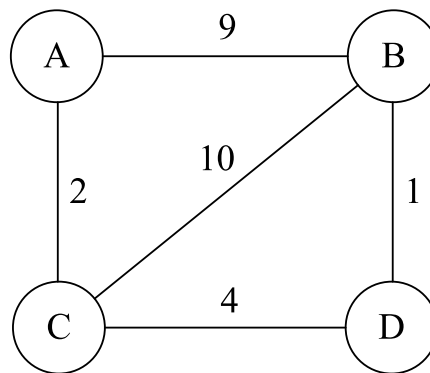
Exercise for the lecture
Algorithms for Radio Networks

Winter 2011/12

Sheet 5

EXERCISE 5:

Consider for the Distance Vector Routing protocol the following network with four routers with the given distances:



The routing tables of the routers A and B have the following entries:

from A	via B	via C	route
to B	9	7	C
to C	14	2	C
to D	10	6	C

from B	via A	via C	via D	route
to A	9	12	7	D
to C	11	10	5	D
to D	15	14	1	D

1. Calculate the routing table entries for the routers C and D.
2. Now router C becomes inoperative. What happens? Calculate the new routing table entries.