Communication Networks (0368-3030) / Fall 2013 The Blavatnik School of Computer Science, **Tel-Aviv University**

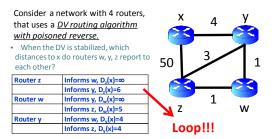
Allon Wagner

Network Layer – Routing

Kurose & Ross, Chapter 4 (6th ed.)

Many slides adapted from: J. Kurose & K. Ross \ Computer Networking: A Top Down Approach (5th ed.) Addison-Wesley, April 2009. Copyright 1996-2010, J.F Kurose and K.W. Ross, All Rights Reserved.

Exercise (Kurose & Ross, 6th ed.)



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- LACING (NULDSE & KUS)
 The link cost between x and y increases to 60. Will
 there be count to infinity
 * Yes, because of the spurious distance that z
 publishes toy: D₂(X)=6.
 * y will think it can get to x in cost 3 + 6 and
 publish this to w (not to z because of poisoned
 reverse)
 w will think it can get to x in cost 0 + 1.
- reverse) will think it can get to x in cost 9 + 1 and publish this to z (not to y because of poisoned reverse) z will think it can get to x in cost 10 + 1 and publish this to y (not to y because of poisoned reverse)
- reverse)
- reverse) y will think it can get to x in cost 11 + 3 and will publish it to w (not to z because of poisoned reverse) And so on until the distance that is published to z is greater than 50 and z chooses to route to x directly through the edge (z,x)

