

Exercises of lecture
Mobile Ad Hoc Networks
Summer 2007
Sheet 6

SECTION 1:

Spanner, Weak Spanner, Power Spanner

1. Show that every c -Spanner is:
 - a weak c -Spanner.
 - a (c^d, d) -Power Spanner.
2. Draw a finite connected graph that is **not** a c -Spanner for any c .
3. Draw a finite connected graph that is also **not** even a weak c -Spanner for any c .
4. Draw a connected graph consisting of five nodes, which is a 1-Spanner.