Activity Sheet 4

Reporter	:
Speaker :	:

Section 2.3

1. Exercise 2.31: Prove that a sequence d_1, d_2, \dots, d_n is graphical if and only if the sequence $n - d_1 - 1, n - d_2 - 1, \dots, n - d_n - 1$ is graphical (after the suitable reordering).

2. Exercise 2.34:

a. Determine for which integers x, if any, the sequence 7,6,5,4,3,2,1,x is graphical. You may need to reposition x to make sure the sequence is non-decreasing. Remember that you can also use the first theorem of graph theory to exclude some possible values without much work.

b.	For each of the integers x described above, construct the corresponding following the steps at the beginning of the proof of theorem 2.10.	graph	by