Extra credit problems

Math 485

- 0. Find a mistake or misprint in "Extra pearls". (The score depends on the type of mistake.)
- 1. Assume d_1,\ldots,d_p is a sequence of integers in a nonincreasing order. Show that it is multigraphic if and only if $d_p \geq 0$, the sum $d_1 + \cdots + d_p$ is even and

$$d_1 \le d_2 + \dots + d_p.$$

(A sequence of integers d_1,\dots,d_p is called multigraphic if it appears as a sequence of degrees of a multigraph.)