



## Problem of the Week

### Problem D

#### Near Perfect

In ten-pin bowling, the highest possible score in a single game is 300.

At one point in the bowling season, Fred F Stone had an average score of 177. In his next game he obtained a score of 199, which caused his average to increase to 178. After one more game Fred would like his average to be 183.

Is it possible for Fred to accomplish this? If it is possible, what score does he need in his next game? If it is not possible, explain why not.

