

# Marker's comments about problem set 2

Marker of problem set 2

November 25, 2008

The distribution of points:

- Problem 1: general idea 5 points, details 5 points (total 10)
- Problem 2: 10 points
- Problem 3: 5 points
- Problem 4: each part 5 points (total 10)
- Problem 5: each part 5 point (total 20)

Comments:

1. First, accept my excuses for a mistake I had made during marking (I assumed that by notation of some other book,  $\{x\}$  is the function computed by program with number  $x$ ). I had written notes, and I crossed them after I was informed that this is different in the notes. I have corrected all of deducted points, but if you see any problem with your marks bring them to my attention after tutorial on this Friday.
2. The only common problem was with the number of different states a program with  $k$  lines of code using  $n$  variable with value not more than  $y$  can have, which is  $ky^n$ , there are  $k$  possibilities for the program counter, and  $y$  possibilities for each variable.