

NOTES ON GRADING QUIZ 1

Since many of you complained about lack of time during the quiz and since the grades obtained by usual summation were somewhat lower than expected, we decided to adapt them by using the following computation.

Let w_i be the weight of the i -th question, i.e. $w_1 = w_2 = 20\%$ and $w_3 = w_4 = 30\%$. Let g_i be the grade for the solution of the i -th question. Then $0 \leq g_i \leq s_i$. The usual grade is computed as

$$G = g_1 + g_2 + g_3 + g_4$$

We wanted to take into account the complaint of lack of time, therefore we decided to consider only the best three questions. However, since some combinations of three questions are worth 80% and others only 70%, we proceed as follows; we set $F_i = 0\%$ for $i = 1, 2$ and $F_i = 33.33\%$ for $i = 3, 4$ and compute

$$G_i = \frac{G - g_i}{100\% - w_i} \cdot (1 - F_i w_i) + F_i \cdot g_i$$

(G_i is the adapted grade when we “ignore” the answer to question i). The final grade is set to $\tilde{G} = \max_{1 \leq i \leq 4} G_i$.

Note that $0 \leq \tilde{G} - G \leq 20\%$ so that one can gain up to 20 points compared to the standard grade.