E individual task in discrete math:

Edited at 7am 17.4.2017.

s is your student number. k = s mod 10000. T = s mod 100. m = s mod 35. a = s mod 25.

L = s mod 10. $d\_{2}=\frac{T-L}{10}$. e = s mod 8. m7 = s mod 7. m6 = s mod 6. m4 = s mod 4. m3 = s mod 3.

m2 = s mod 2.

**Combinatorics:**

1. Calculate C(9,e) and P(7,e).

2. Give all the options for C(e+3,e).

http://discrete4math.weebly.com/uploads/2/5/3/9/25393482/calculator4combinations.txt

3. In how many ways can you answer an exam with m+1 questions each of which has e+1 options for the answer?

**Probability:**

4. Draw the histogram of tossing L+2 fair coins.

5. Draw the histogram of the first e+3 digits of π.

6. Give the histogram of Benford of the first digit of e+2 the most populated countries.

http://www.worldometers.info/world-population/population-by-country/

Design:

7. Use your knowledge for design.

Project:

8. Improve your project.

Write the proposal.

Prepare to present your project to a native English speaking doctor of science.

Deadline: 22.4.2017 Saturday.