Example 1 - UAI 735I (more advanced)

## Exam – oral part – winter 2017/18

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| Name of student |  |
| Date |  |

# Python random password generator

Write the Python program, which will generate a random password according to the following **password policy:**

1. 2 alphabets in upper case  
2. 3 numericals between 0 and 9  
3. 3 special characters from the set [ **!"#$%&'()\*+,-./:;<=>?@[]^\_`{|}~ ]***help:*  *string.punctuation*  
4. 2 alphabets in lower case

5. Placing of the required small and capital letters, numbers, and punctuations in the password must be random  
  
The characters must be placed in a string as per the following conditions:  
  
1. The upper case alphabets are at least 4 positions away from each others,  
and the sum of their position indexes is equal to 7  
  
2. Each lower case alphabet appears immediately before an upper case alphabet  
  
3. The special characters are placed at the tail end of the password  
Generate the random password acc.to the password policy

Check that it applies the password policy

Print it on the screen

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| The program: |