

**Introduction to Computer Security**, exercise 2, 1.-4. 2. 2011

1. a) Make a check list about the things that must be taken into consideration in the (physical) access control of the Advo company.  
b) What kind of actions do you recommend in the case of bomb threats?
2. Give examples of mandatory and discretionary access control.
3. Calculate the number of passwords when the length of a password is at most 10 characters and both capital and small letters as well as numbers can be used. How long does it take on average to guess a right password, if a machine can make a) 100, b) 1000, c) 1 000 000 guesses per second.
4. How long are the password chains (when rainbow tables are used), if we assume that the chains contain the passwords of the previous exercise, the first and last password from every chain is stored and we have a 10 terabyte memory.
5. Make a short summary of the activities of CERT.