

Exercise No. 1
Algorithms and Methods for Distributed Storage
Winter 2008/2009

Exercise 1 *Online Storage*

Enumerate at least five publicly available online storage systems and classify them according to monetary cost, capacity, access methods and reliability.

Exercise 2 *Probability of Disk Failures*

Assume that there is a set of 10 hard disks with an independent annual failure probability of 7%. Calculate the following.

1. The probability that all 10 hard disks continuously work 2 years.
2. The probability that after 2 years 5 of the 10 hard disks still work.
3. The probability that all 10 hard disk have failed after 2 years.
4. The expected lifetime of a single hard disk.