

Exercise for the lecture
Distributed Storage and Computer Forensic
Winter 2011/12
Sheet 2

EXERCISE 2:

Consider a RAID-system with 6 hard disks where in each week all hard disk fail independently with probability p . Assume that only after a week the hard disk is exchanged. Compute the expected data lifetime of the following RAID levels.

1. RAID-0
2. RAID-1
3. RAID-5
4. RAID-6
5. RAID-0+1
6. RAID-10