Reliability Supported Using Codes

Similarly, **codes are used**
- **to store** data **across multiple drives**,
- **increasing bandwidth and**
- **protecting against failure** of any drive.

In this case, the 5-out-of-7 variant
- of the Hamming code would work perfectly:*
- if you store across 7 disks,
  - so long as no more than 2 fail,
  - you can recover all of the data!

*That particular code is not common in practice
for disk systems, but the idea is the same.