Reed-Solomon Coding

- What if chances more than can fail becomes dangerous (thousands of drives)?
- Reed-Solomon coding: turn *k* data blocks into *n*, can recover from any *(n-k)* failures
  - E.g., turn 223 data blocks into 255, can recover from any 32 failures
  - Used in CDs, DVDs, QR codes, Mars Rovers, and most cloud storage systems
- RAID 6: use Reed-Solomon to have *two* parity drives