

Code #5: RDP

(2004)

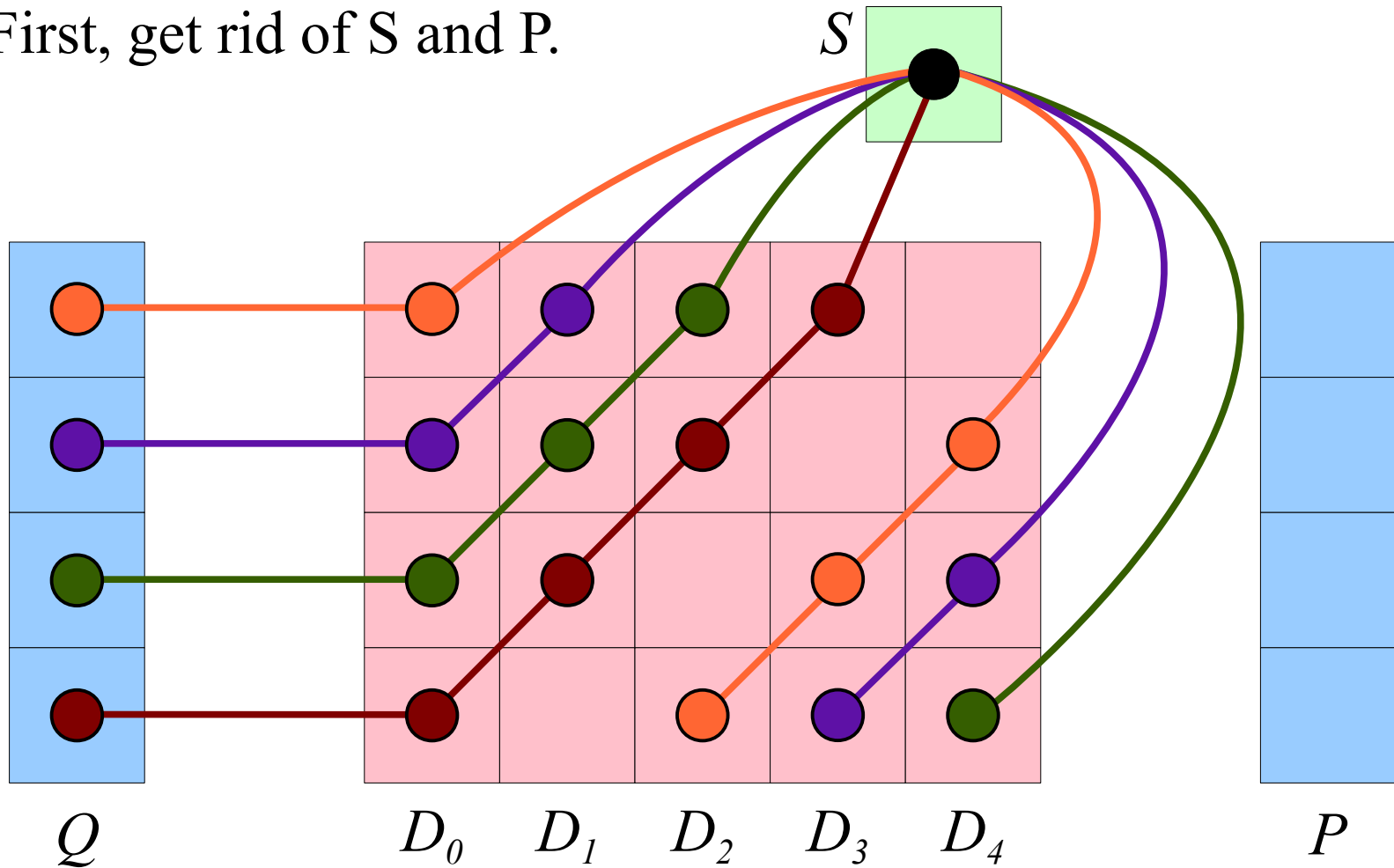
# RDP – Properties & Constraints

---

- “Row Diagonal Parity”
- Everything is the same as EVENODD, except you have to subtract one from  $k$ .
- So,  $k = r$ , and  $k+1$  must be a prime number.
- Easiest explanation is to convert an instance of EVENODD to an instance of RDP.
  - This is just for the explanation. You don't physically convert EVENODD to RDP.

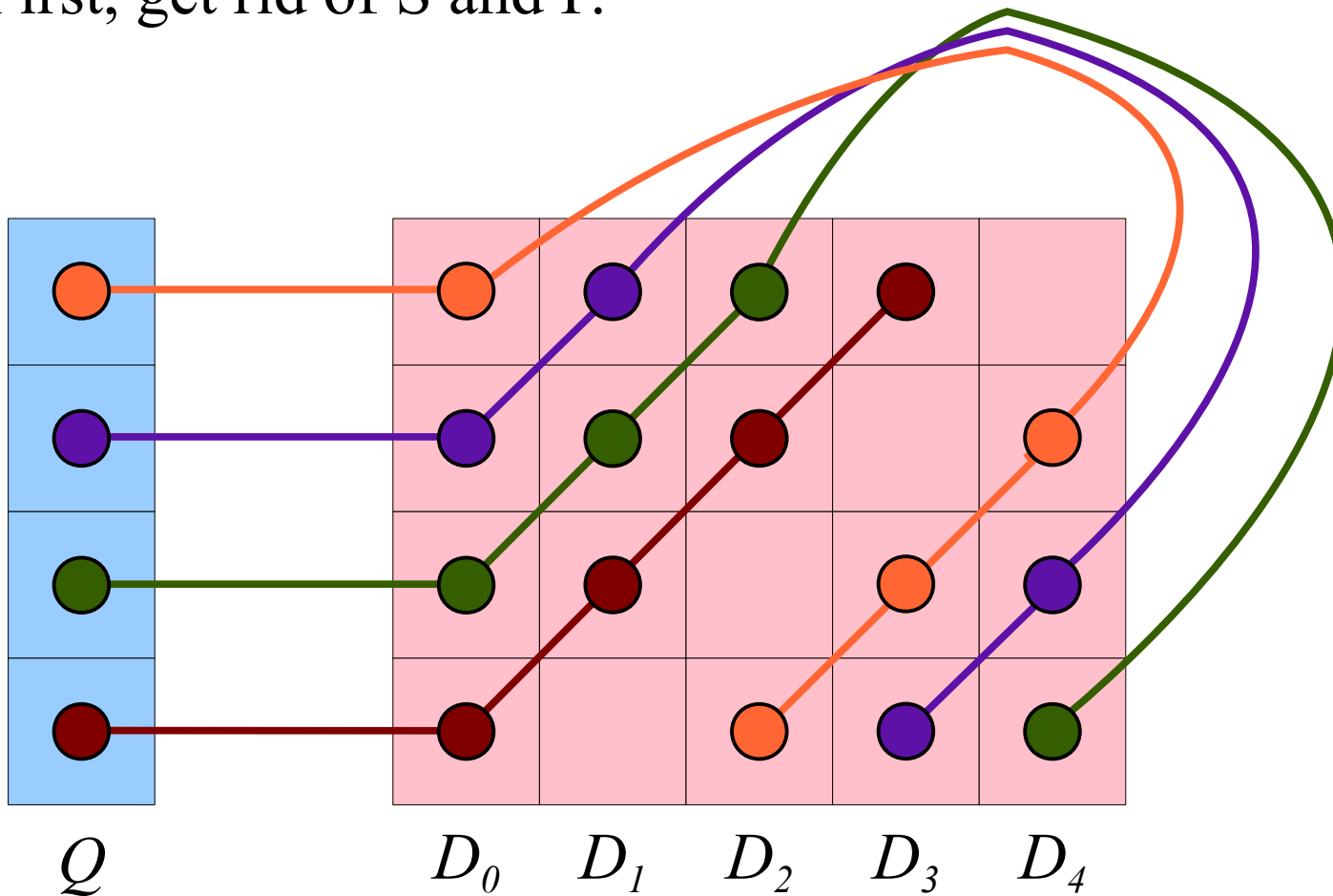
# Converting EVENODD to RDP

First, get rid of S and P.



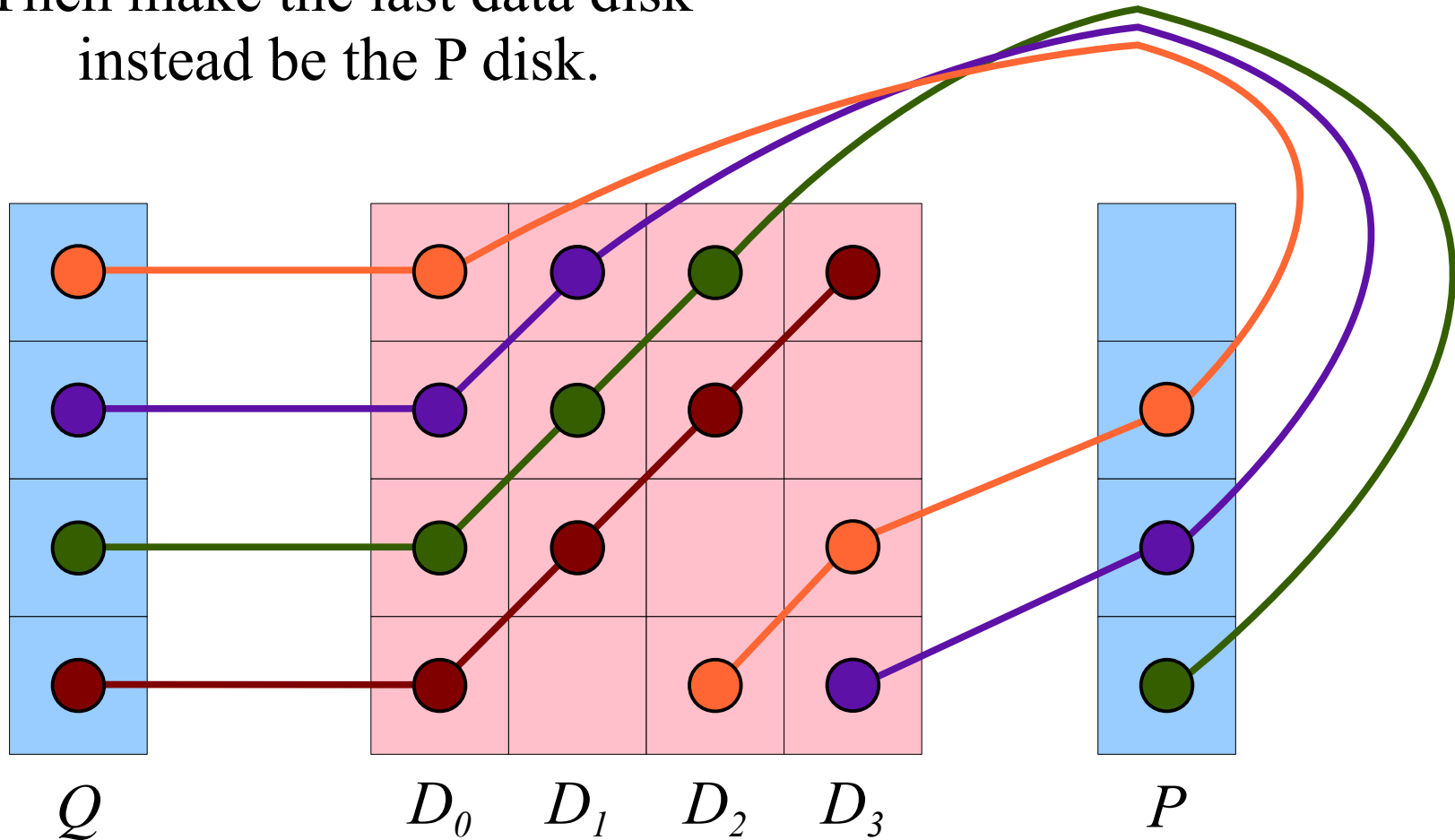
# Converting EVENODD to RDP

First, get rid of S and P.



# Converting EVENODD to RDP

Then make the last data disk  
instead be the P disk.



And you're done!