8.1.1(a)

35^7

8.1.1(c)

$26^3 + 35^4$

8.1.2(b)

$40^7 + 40^8 + 40^9$

8.2.3(a)

$B^9 = 2^9 = 512$

$E_{10} = 2^{10}/2 = 512$

$|B^9| = |E_{10}|$

The set E_n's cardinality is equal to the cardinality of B^n divided by two

8.2.5(c)

Yes, k=2

For Every f(x) there is the set x that has Don ahead of Gene and a set x that had Gene ahead of Don

8.2.5(d)

$|T| = 1814400$

8.3.3(a)

$10^3 * 26^4$

8.4.1(c)

7^5

8.4.1(d)

2520

8.4.3(b)

9! * 2

8.5.2(c)

35

8.5.2(d)

70

8.5.4(b)

2376

8.5.7(b)

C(8,3) * C(6,2)

8.6.4(a)
C(100,9)

8.7.3(a)
254

8.7.4(a)
2,903,040

8.8.4(b)
305,540,235,000

8.8.6(a)
C(100,35) * C(65,20) * C(45,25) * C(20,20)

8.9.2(b)
6188

8.10.2(b)
52,521,875

8.11.2(c)
638

8.12.20(c)
48

8.12.20(d)
720

8.12.24(a)
C(42,5)