Jose David Morales / U00137642 / Matemáticas Computacionales / Taller 5

1) A. 20C7 = 20! / (20-7)! * 7! = 20 X 19 X 18 X 17 X 16 X 15 X 14 / 7 X 6 X 5 X 4 X 3 X 2 X 1 = 77.520 Formas

B. 15C4 = 15! / (15-4)! * 4! = 15 X 14 X 13 X 12 / 4 X 3 X 2 X 1 = 1.365 Formas

2) A. 52C5 = 52! / (52-5)! * 5! = 52 X 51 X 50 X 49 X 48 / 5 X 4 X 3 X 2 X 1 = 2.598.960 Manos

B. 13C5 = 13! / (13-5)! * 5! = 13 X 12 X 11 X 10 X 9 / 5 X4 X 3 X 2 X 1 = 1.287 X 4 = 5.148 Manos

C. 4P3 = 4! / (4-3)! * 3! = (4 * 13) + (4P2 *12) = 124 Manos