Prob. C. Atuariais I - Lista 3

3.1: $_{10}A_3 = \frac{10 \cdot 9 \cdot 8 \cdot 7!}{7!} = 720$

3.2: $_{10}A_4 = \frac{10 \cdot 9 \cdot 8 \cdot 7 \cdot 6!}{6!} = 5.040$

3.3: $20 \cdot 19 \cdot 18 = 6.840$

3.4: $5 \cdot 5 \cdot 5 \cdot 5 = 625$

3.5: 0 2 1

$3 \cdot 3 \cdot 3 \cdot 3 = 81$

3.6: $10^6 = 1000.000$

$62^6 = 56.800.235.584$ $\Big\} = \frac{62^6}{10^6}$.

3.7: $\binom{11}{4}\binom{7}{3} = 330 \cdot 35 = 11.550$

3.8: $\binom{3}{1}\binom{8}{4}\binom{10}{4}\binom{6}{2} = 661.500$

3.9: $\binom{10}{3} = 120$

3.10: $\binom{8}{6} = 28$

3.11: $3^4 = 81$

3.12: $_5A_3 = \frac{5 \cdot 4 \cdot 3 \cdot 2!}{2!} = 60$