Gurple fequencies and allele frequencies remain constant ale time Republica: f (6,6, =102) f (6,62) - 309, f(6,62) -9 Rouda Matings of (62) = ? (62) =? f(G) = G1 f(6,6,1)-p2 f(6,6,)+9 f(GEN)=9.7 f(GEGN)=9? f(Gz) 9 G2 f (G, G, )+ + + f (G, G) = p2 + 2.2.p.q = p2+ p.q = P(P+q) = P  $f(G_2) = f(G_2) + \frac{1}{2}f(G_2)$