For the next generation: f(G1) = f(G1G1) + 2f(G1G2) - p2 + = [2.p9] = p2 + p.q = p (p+q)=p f(G2) = f(G2G2) + = f(G4G2) = 92 + 1/2 [2 p.4] = 9

under HWE: Alke frequencies and genotype frequencies are constant over generations