Definition of a Breeding Value for arrhead i: Breeding Value (BV) of animal is twice the animal is difference between the mean of the offspring of animal is and the population mean:  $BV = 2(u_i - \mu)$  where  $\mu$ : Repulshion wears mean of offspring 7 Animal i (with respect to locus G) Mi: has one of three possible genotypes GaGa, GaGz, GzGz a Animal i has genotype GaGa f(G1)=p | f(G2)=q (G)=1-of(G,G)=1.p f(G,G)=1.q