Recap 2023-10-13 a Single bi-alklic Locus G 1) Decomposition of genotypic value Vij for genotyp Gi G; : Vij = M + BVij + Dij with  $\mu$ : population mean where  $E[v_i] = \mu$ Blij: Breeding Value for genotypes anga GaGZ GZGZ 200 (9-p)x /-Zp(x) Dij: Dominance aleviation a Properties:

E[Vij] = M = E[BVij] = 0; E[Dij] = 0 because: E[Vij] = E[n + BVij + Dij] = E[n] + E[BVij] + E[Dij]