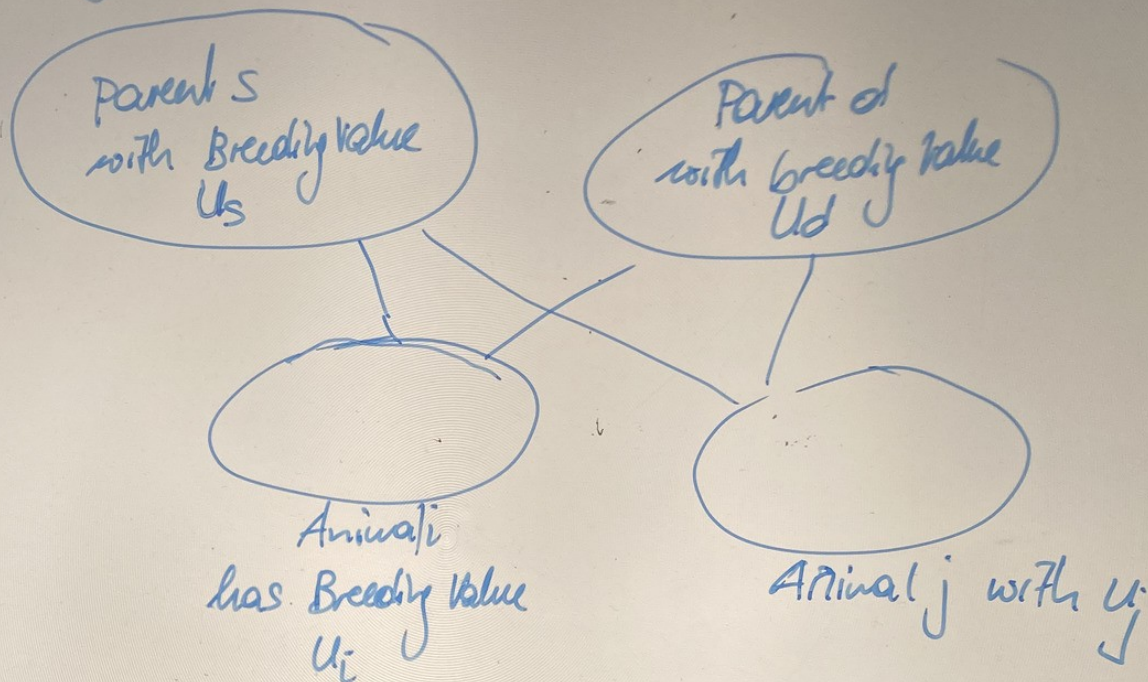


Breeding Values of Parents and Offspring

(13)



$$U_i = \frac{1}{2} U_S + \frac{1}{2} U_d + m_i$$

$$U_j = \frac{1}{2} U_S + \frac{1}{2} U_d + m_j$$

$$U_i \neq U_j$$

→ mendelian sampling
the deviation of U_i of parent average of breeding value, due to random sampling of alleles