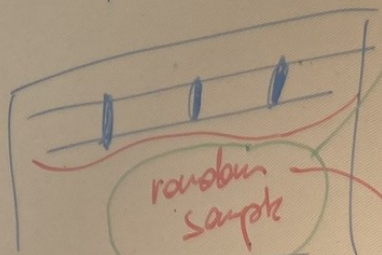


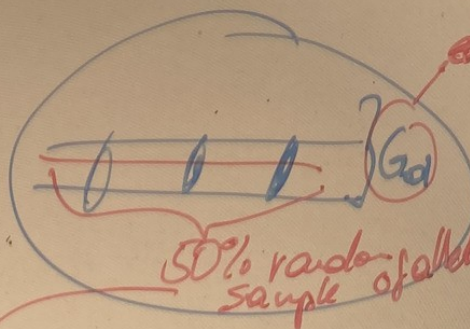
(7)

parent S



Value of random sample of alleles \Rightarrow Breeding value

parent ol

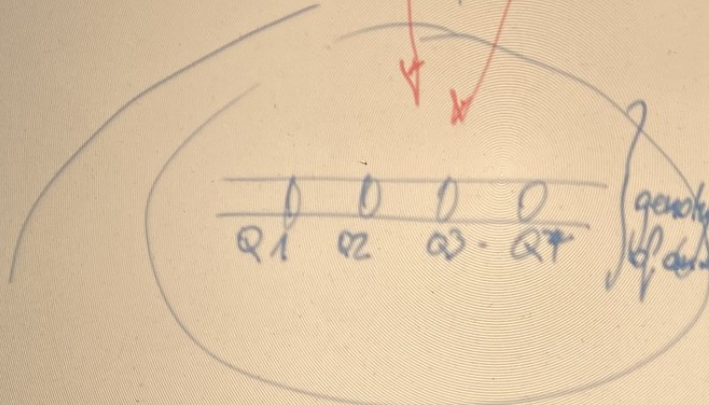


G_d

y_d

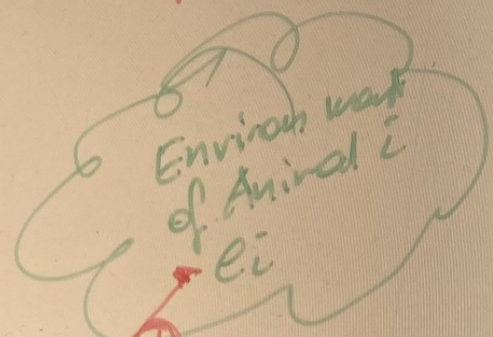
50% random sample of alleles

Selection:



offspring i

genotype of animal i G_i



Environment of Animal i E_i

influence on phenotype y_i via Central Dogma of Molecular Biology

Phenotype:

Animal	
1	
2	
d	y_d
i	y_i