

## Recap:

- Decomposition of a phenotypic observation  $P$  into 2 components:

$$P = \boxed{G} + E \Leftrightarrow \text{genetic model}$$

understand  $G!$  ←  $\boxed{\text{genetic}}$  → environment  
simplest model: 1 Locus

- Parents pass a random sample of their alleles to offspring
- Goal: Selection of animals as parents of future generation.

Assume: 1 Locus

