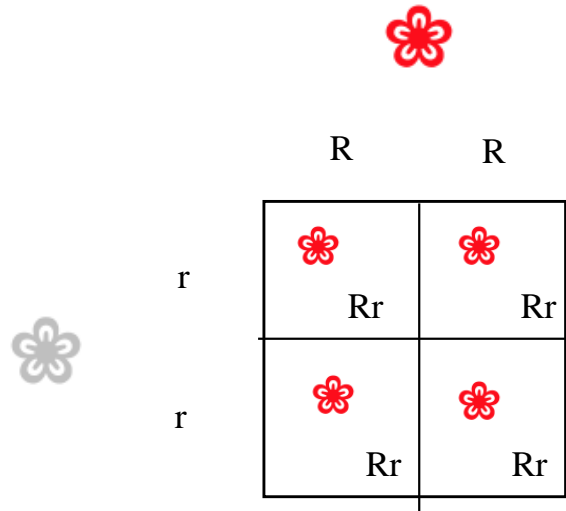


CONCEPT: VARIATIONS ON DOMINANCE

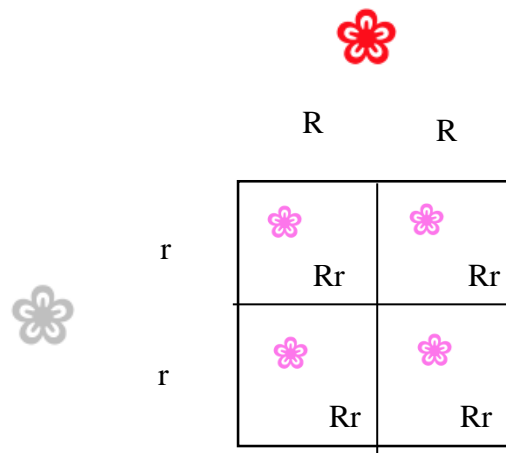
- There are many types of _____
 - **Complete dominance** is when the dominant allele is always expressed when at least one copy is present
 - Homozygous dominant is not phenotypically different from heterozygous

EXAMPLE:



- **Incomplete dominance** is when the number of dominant alleles affects the phenotype
 - Homozygous dominant appears different than heterozygous

EXAMPLE: What is the phenotype of the offspring from a red flower mating and white flower mating?



□ **Codominance** is when there are two dominant alleles, and both are expressed

- Ex: ABO Blood Types

EXAMPLE:

Genotype	Blood Type
I^A/I^A or I^A/i	A
I^B/I^B or I^B/i	B
I^A/I^B	AB
i/i	O

	I^A	i
I^B	Type AB $I^A I^B$	Type B $I^B i$
i	Type A $I^A i$	Type O ii

PRACTICE:

- Which of the following is NOT a type of dominance?
 - Complete dominance
 - Incomplete dominance
 - Codominance
 - Leaky dominance
- Which of the following parents could produce offspring with an AB blood type?
 - A x A
 - O x A
 - A x AB
 - AB x O

3. Blood types are an example of what type of dominance?
- a. Complete dominance
 - b. Incomplete dominance
 - c. Codominance
 - d. Leaky dominance