

CAPRAZLAMALAR

A) Caprazlama (çaprazlaşma) olasabilecek birer ihdimleri bulma

32N AabbDdEeff x AaBbddEeFF genotipli iki bireyin

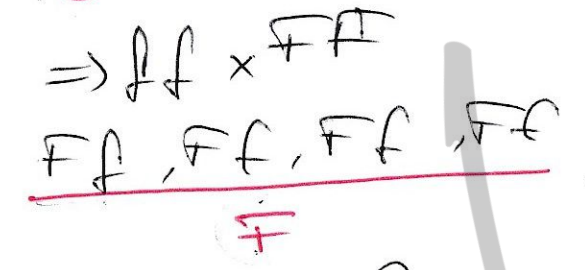
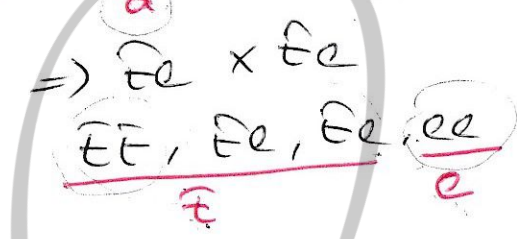
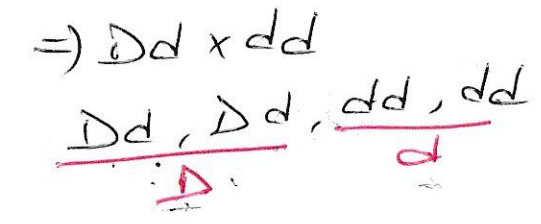
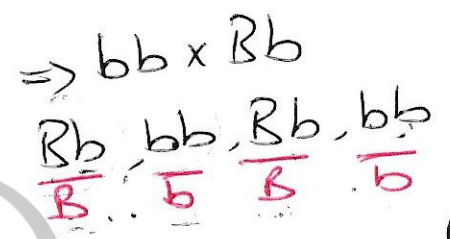
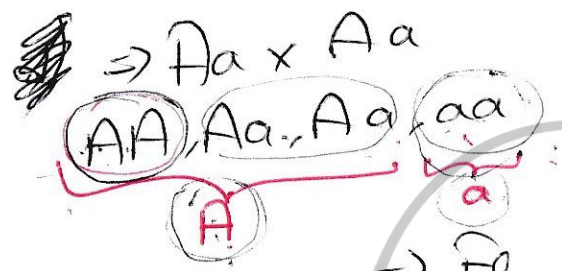
- çaprazlaması sonucu,
- a) AabbDdEeFf (genotipli) bir (gürünün) oluşma ihtimali nedir?
 - b) aabbddEeFf " " " " " " " " " " " "
 - c) AABBddEeFf " " " " " " " " " " " "
 - d) ABDEF fenotipli bir (gürünün) oluşma ihtimali nedir?
 - e) abdef " " " " " " " " " " " "
 - f) ABDEF " " " " " " " " " " " "

g) Genotip semit sayısının fenotip semit sayısına oranı nedir?

$\Rightarrow Aa \times Aa$ $\Rightarrow bb \times Bb$ $\Rightarrow Dd \times dd$ $\Rightarrow Ee \times Ee$
 $\Rightarrow ff \times FF$
AA, Aa, Aa, aa Bb, bb, Bb, bb Dd, Dd, dd, dd EE, Ee, Ee, ee
Ff, Ff, Ff, Ff

a) $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot 1 = \frac{1}{32} //$
 b) $\frac{1}{4} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot 1 = \frac{1}{32} //$

d) $\frac{1}{4} \cdot 0 \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot 1 = 0$



d) ABDE \bar{F} fenotipe?

$\frac{3}{4} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{3}{4} \cdot 1 = \frac{9}{64}$

e) abde \bar{F} fenotipe?

$\frac{1}{4} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot 1 = \frac{1}{64}$

f) ABDEf fenotipe?

$\frac{3}{4} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{3}{4} \cdot 0 = 0$

g) Genotip sayisi : $3 \cdot 2 \cdot 2 \cdot 3 \cdot 1 = 36$

Fenotip sayisi : $2 \cdot 2 \cdot 2 \cdot 2 \cdot 1 = 16$

$\frac{36}{16} = \frac{9}{4}$

