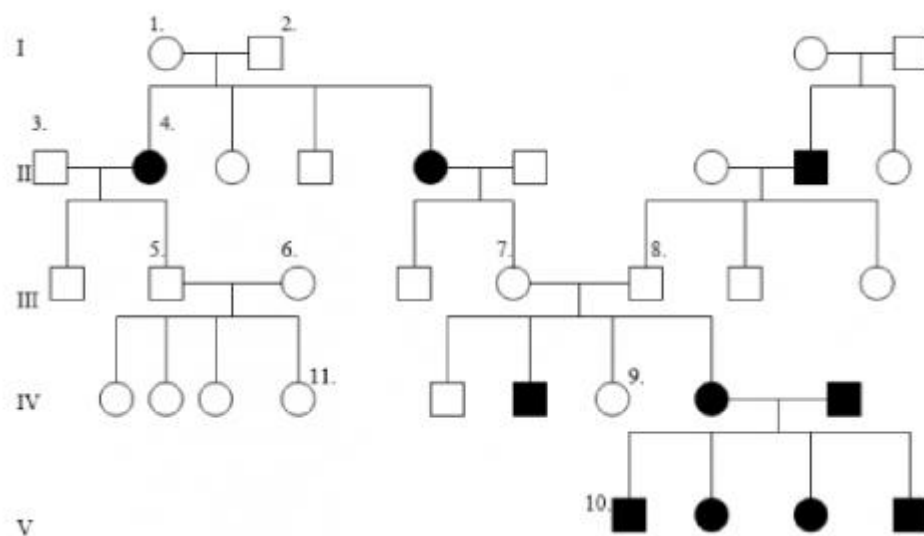


FM-20

Time: 2 Hours

1. Analyse the pedigree with proper interpretation

6



2. A cross was made between purple leaf (p), glossy seedling (g), dwarf variety (t) and wild type. F1 plants were test crossed and the following proportions were obtained when a sample of 1000 plants were counted.

6

Wild type (P G T) 475

p g t 469

p G T 8

P g t 7

p G t 18

P g T 23

P G t 0

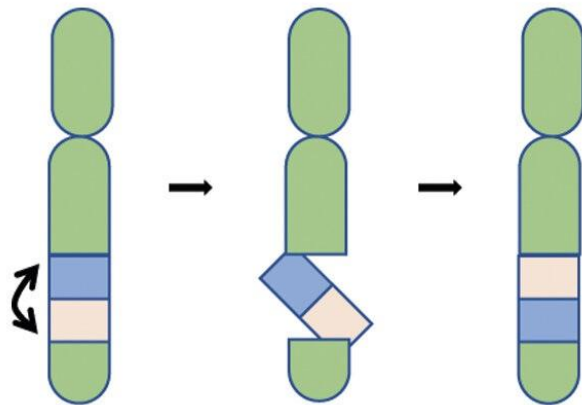
p g T 0

Determine the order of 3 genes and prepare a chromosome map. Find out the coefficient of coincidence.

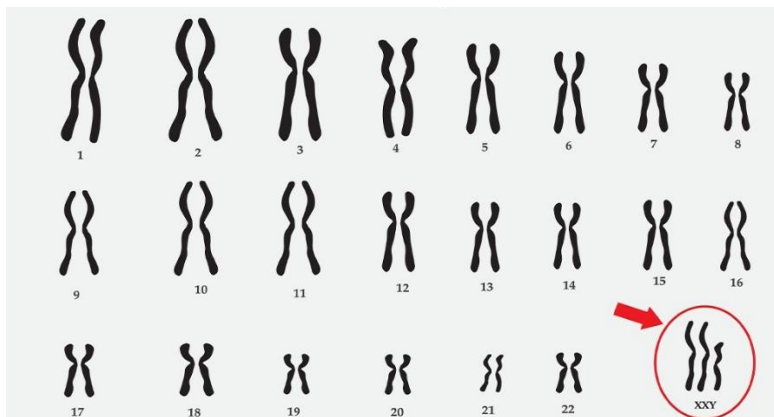
3.

6

3A.



3B.



3C.

