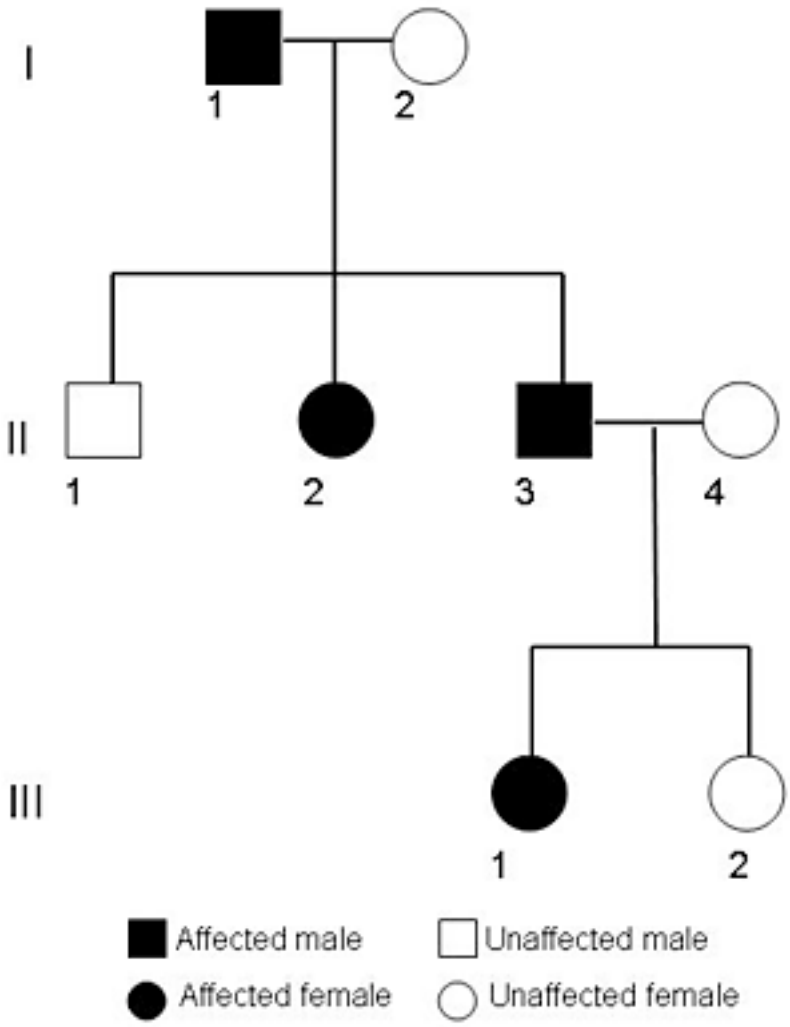
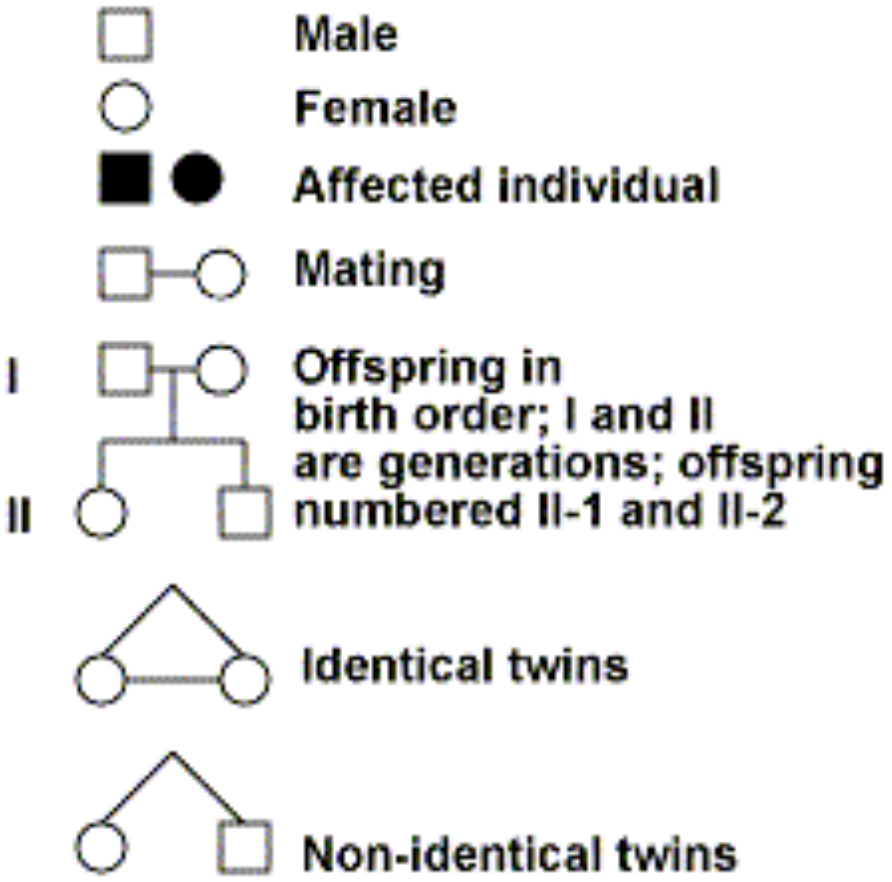
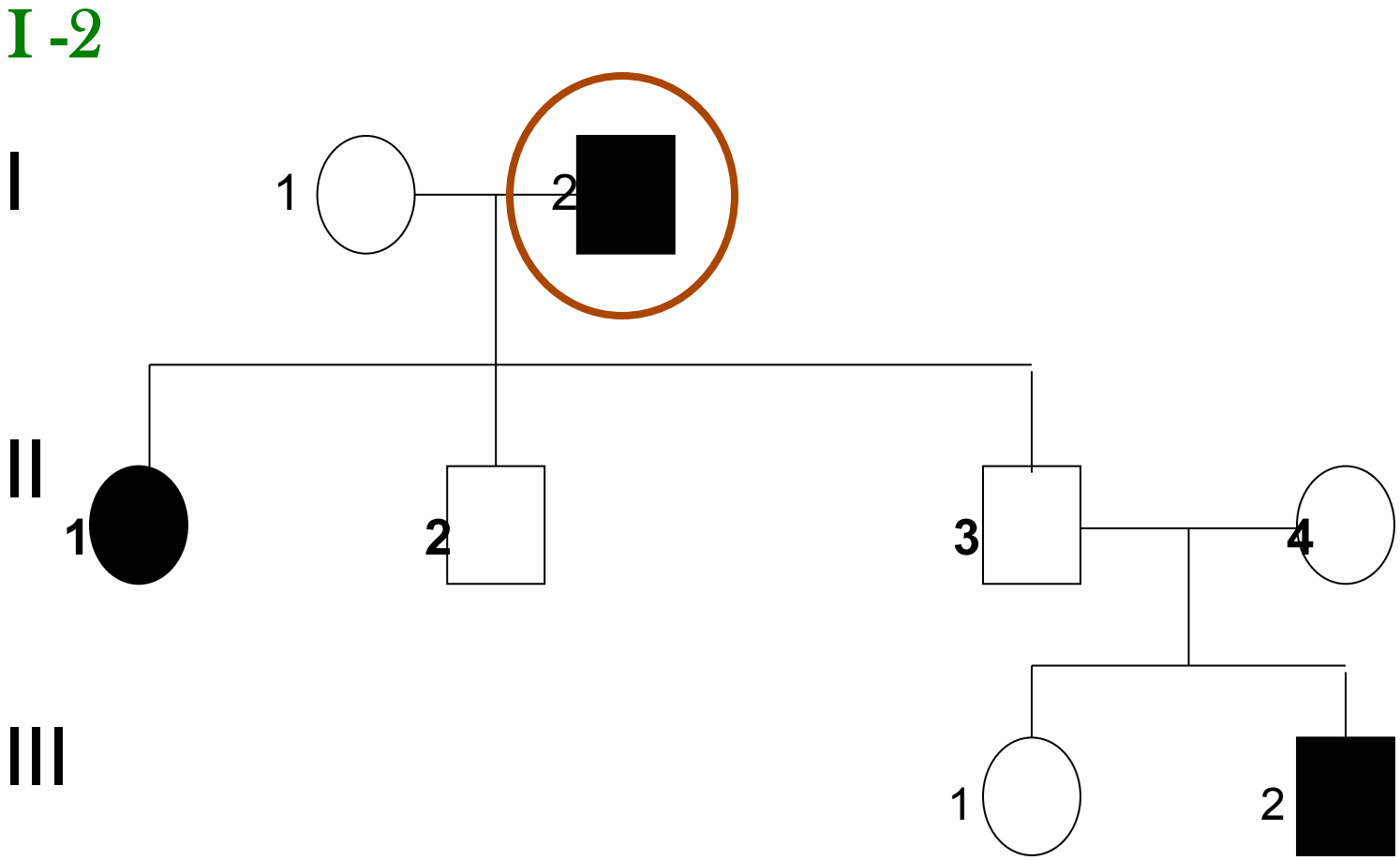

I
1
2
II
1
2
3
4
III
1
2
Affected male
Unaffected male
Affected female
Unaffected female


Male
Female
Affected individual
Mating
I
II
Offspring in birth order; I and II are generations; offspring numbered II-1 and II-2
Identical twins
Non-identical twins

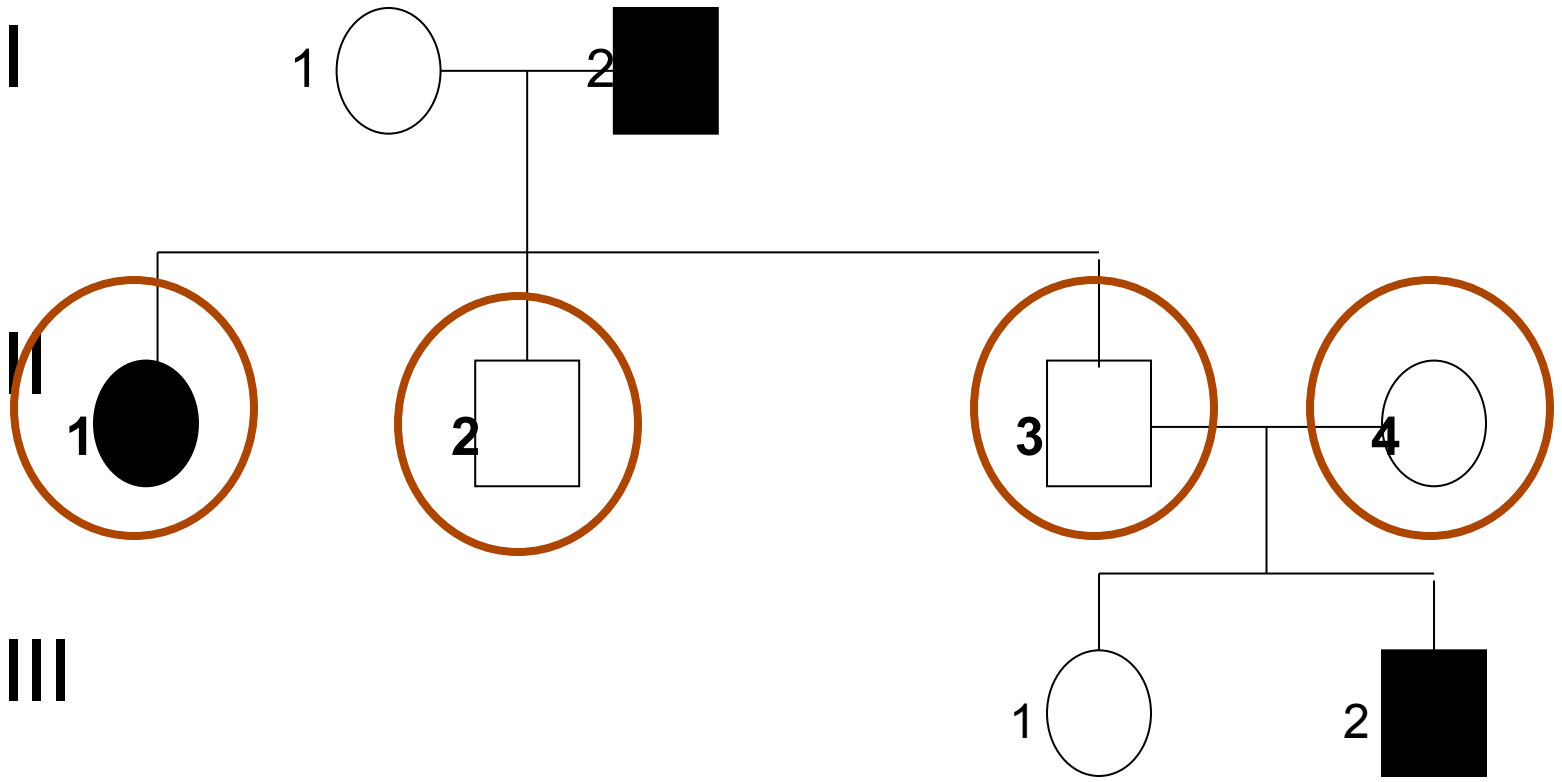
This pedigree shows the inheritance of attached ear lobes, a recessive trait.

- Which parent has attached ear lobes?



- How many people are there in the 2nd generation?

4

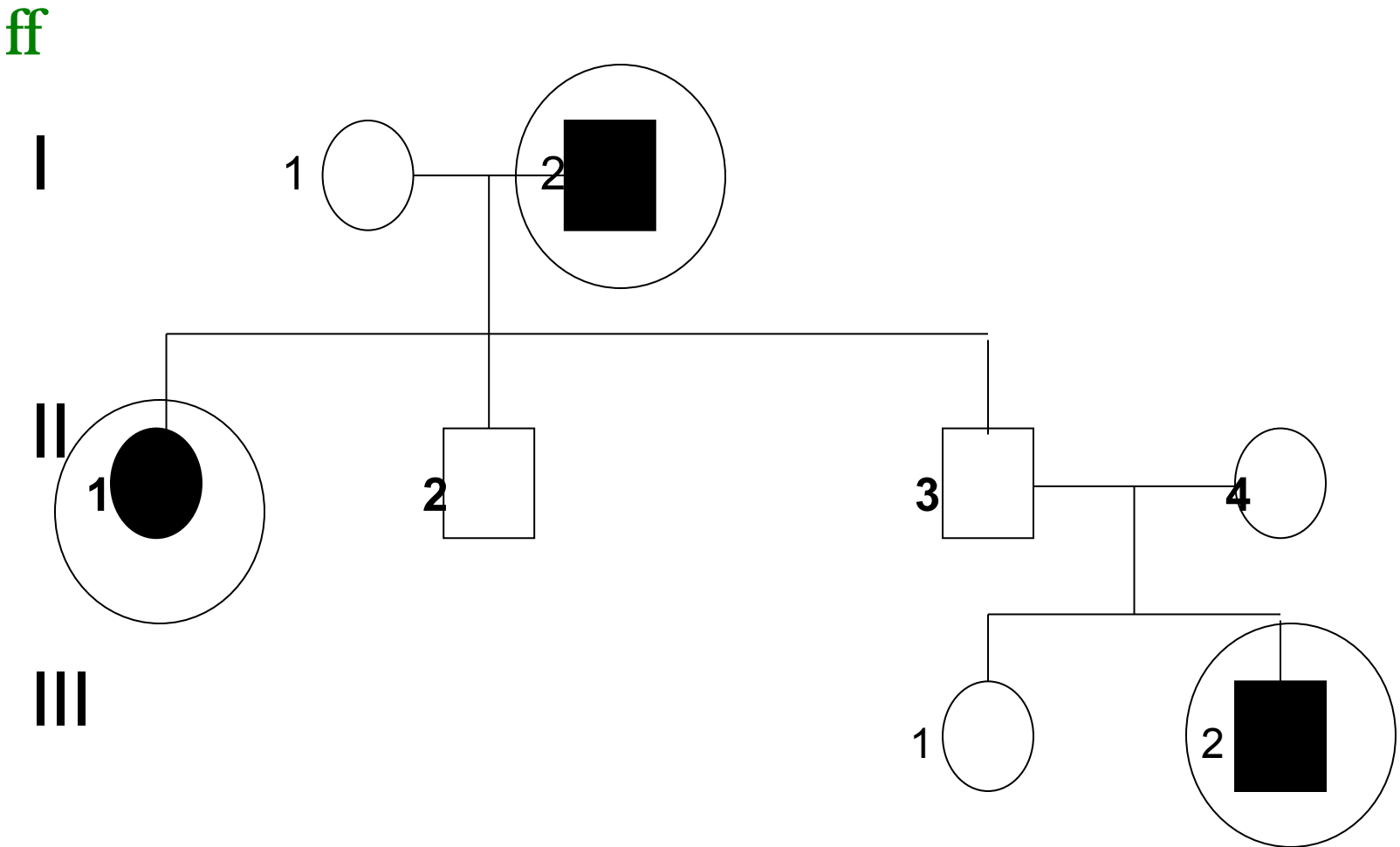


Attached earlobes is a recessive trait. What is the genotype of people with attached earlobes?

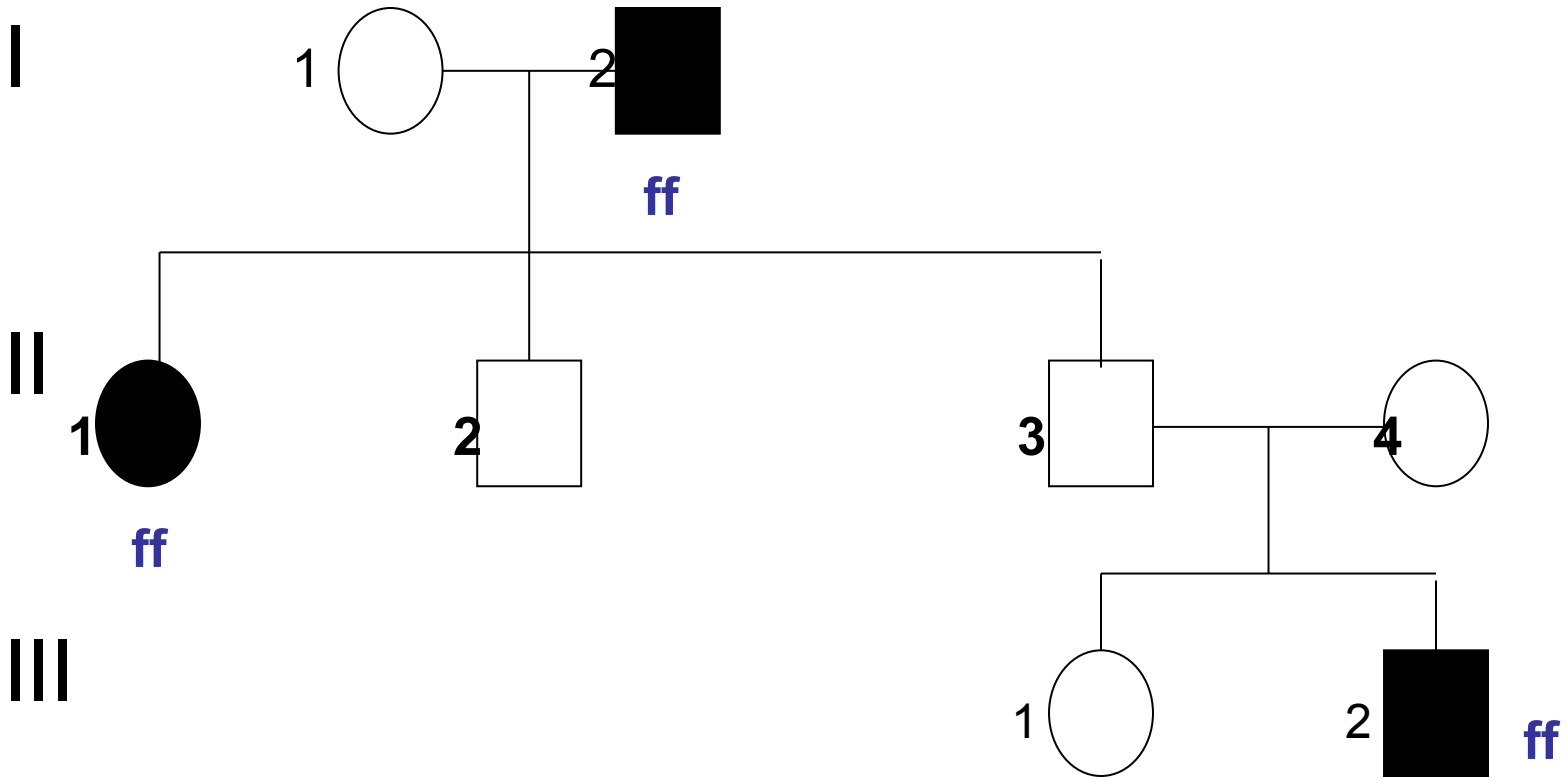
ff

This pedigree shows the inheritance of attached ear lobes, a recessive trait.

- What is the genotype of the circled individuals?



This pedigree shows the inheritance of attached ear lobes, a recessive trait.

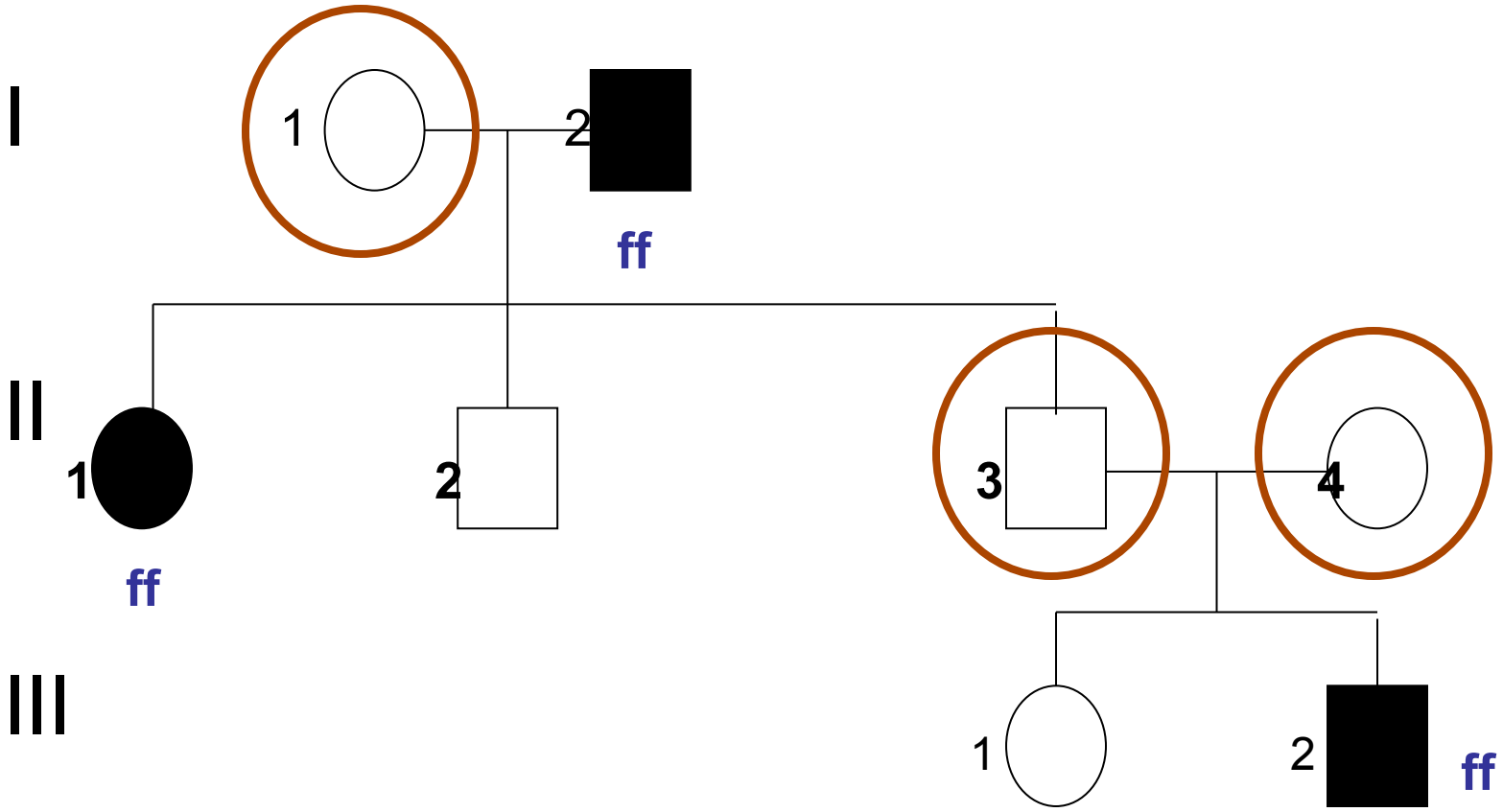


- Is it possible for someone with the genotype FF to have a child with the genotype ff?
  - No, the kid would have to get a F from their parent.

This pedigree shows the inheritance of attached ear lobes, a recessive trait.

What is the genotype of the circled individuals?

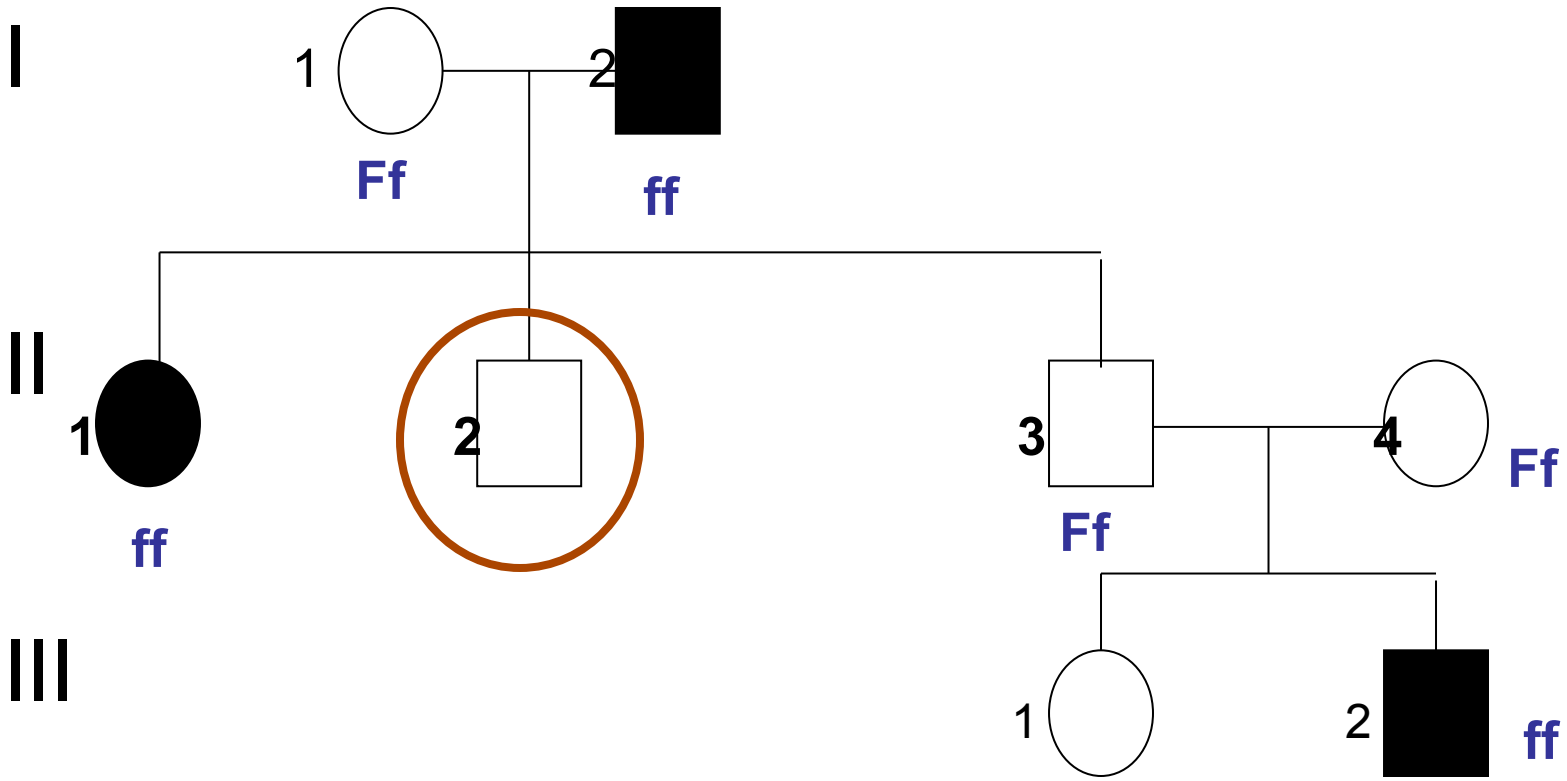
Ff



This pedigree shows the inheritance of attached ear lobes, a recessive trait.

What is the genotype person II-2?

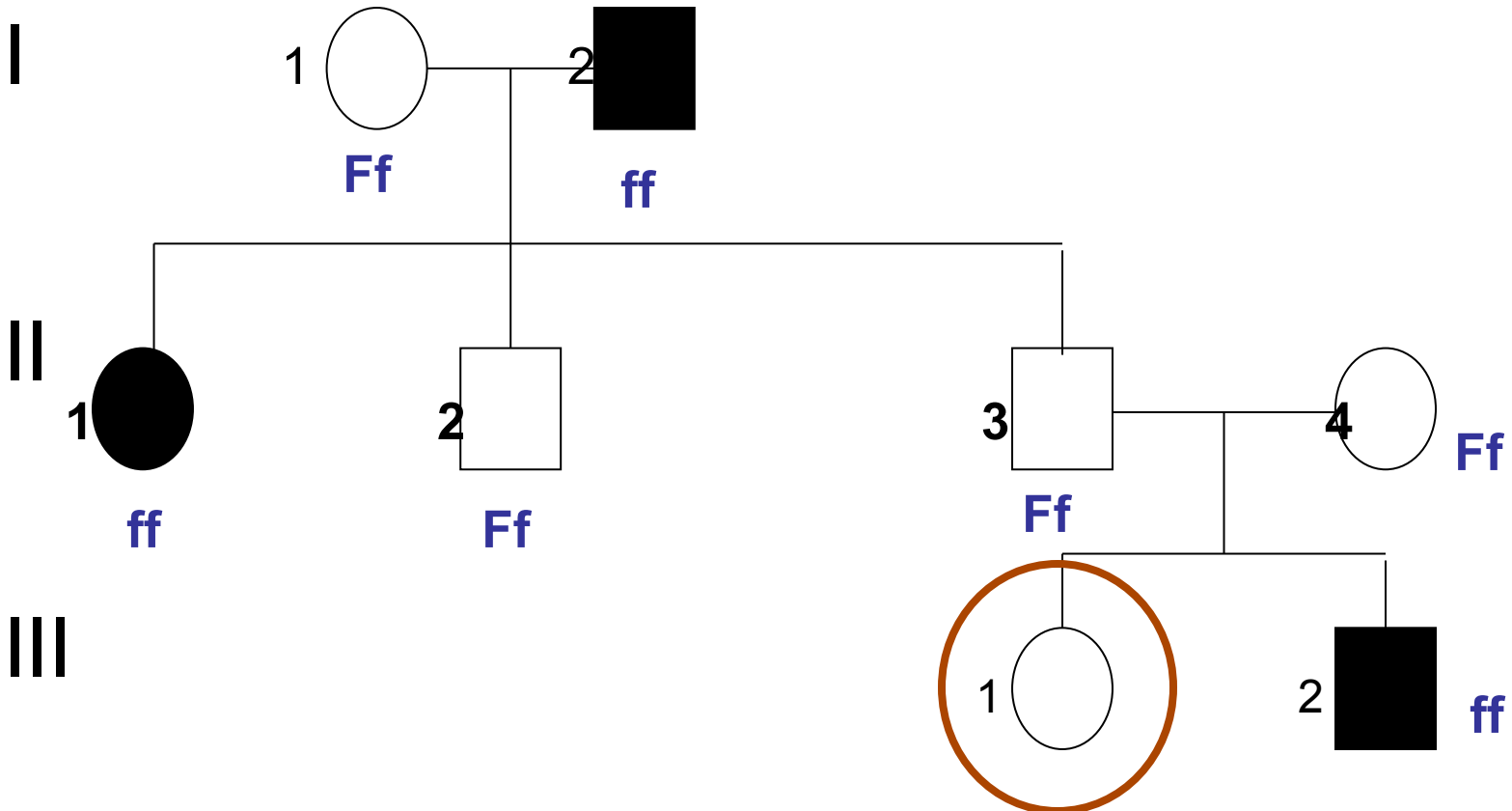
Ff



This pedigree shows the inheritance of attached ear lobes, a recessive trait.

What is the genotype person III-1?

F?



What evidence do you have the attached earlobes is a recessive trait?

Person III – 2 has attached earlobes and neither of his parents do. This could not happen with a dominant trait.