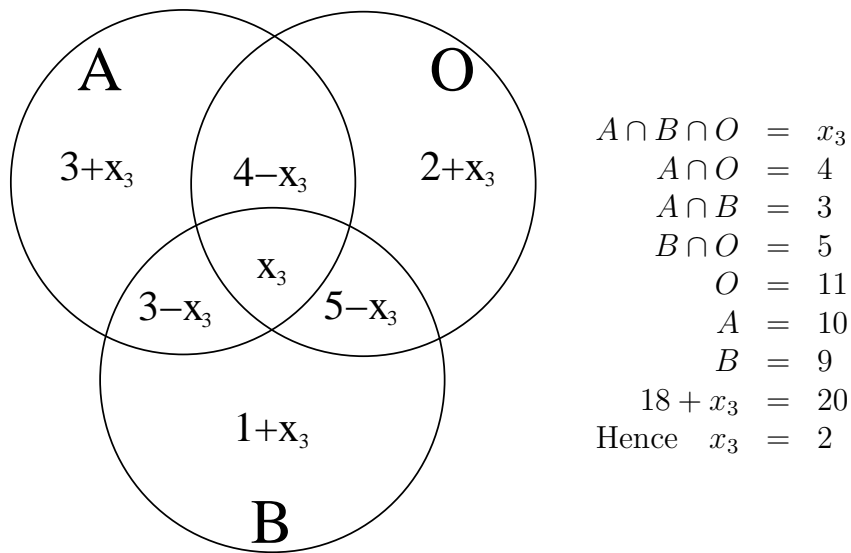


### Question

A group of 20 fussy children at a nursery are unwilling to eat the fruit put in front of them.. The exasperated nursery assistant observes that 10 children will eat apples, 11 will eat oranges, 9 will eat bananas, 4 will eat apples and oranges, 3 eat apples and bananas, and 5 will eat oranges and bananas. Draw a Venn diagram showing fruit acceptance. How many of the unpleasant small people will eat all three fruit?

### Answer

Hidden assumption that all children will eat at least one fruit.



Hence only two children eat all three fruit.