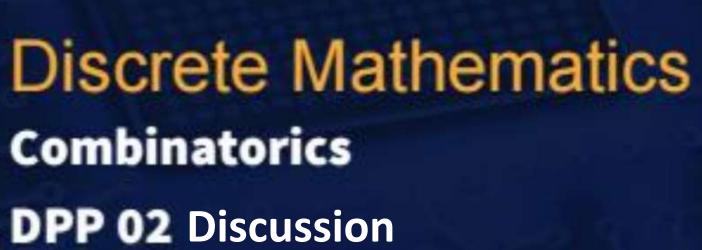
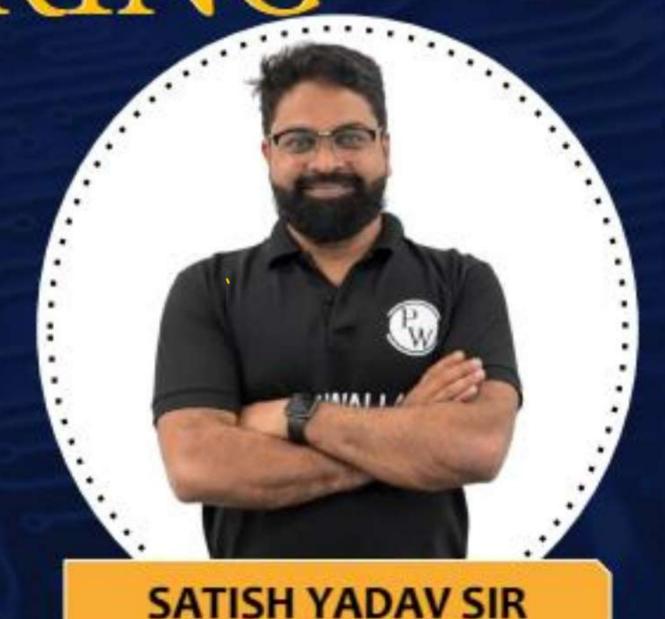
CS & IT











TOPICS TO BE COVERED

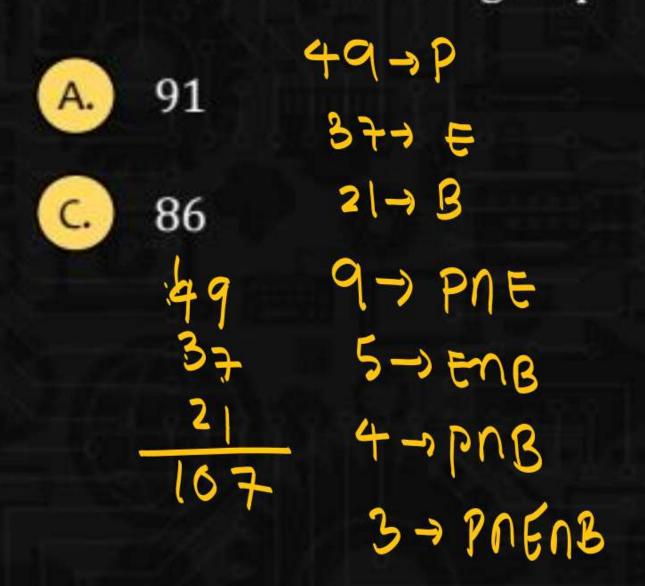
01 Question

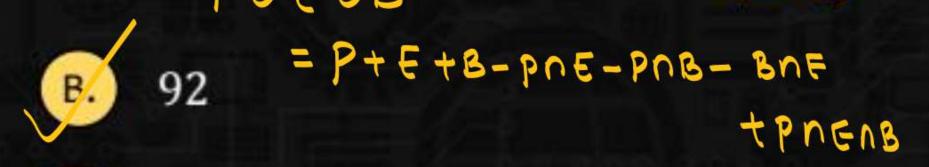
02 Discussion

Q.1

Among a group of students, 49 study Physics, 37 study English and 21 study Biology. If 9 of these students study Physics and English, 5 study English and Biology, 4 study Physics and Biology and 3 study Physics, English and Biology, find the number of students in the group.

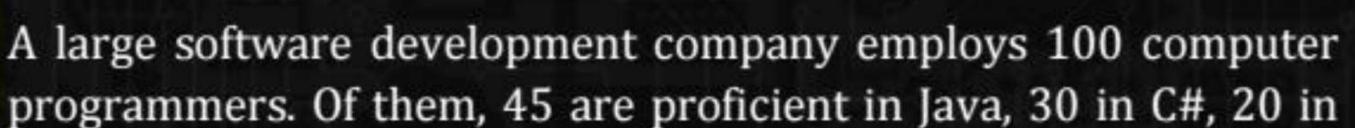
[MCQ]





D. None of these





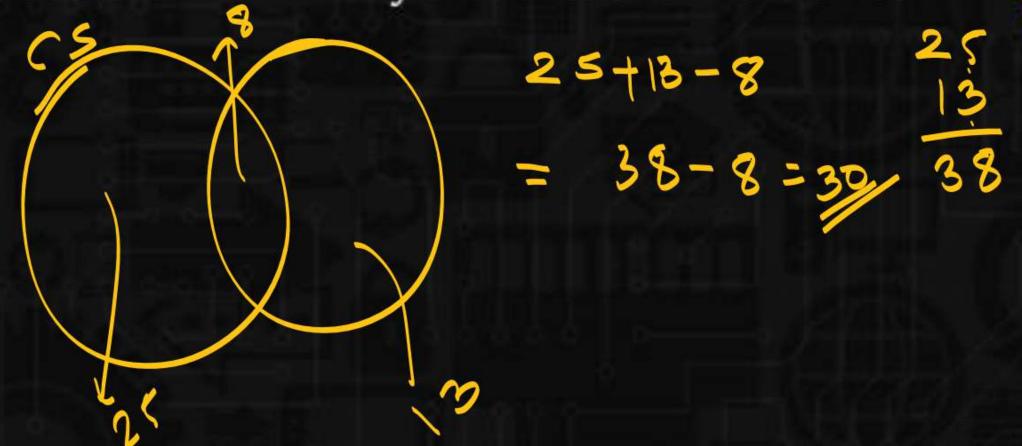


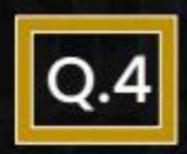
programmers. Of them, 45 are proficient in Java, 30 in C#, 20 in Python, six in C# and Java, one in Java and Python, five in C# and Python, and just one programmer is proficient in all three languages above.

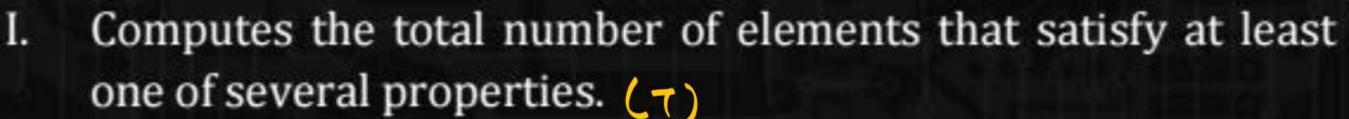
Determine the number of computer programmers that are not proficient in any of these three languages.



In a discrete mathematics class every student is a major in computer science or mathematics or both. The number of students having computer science as a major (possibly along with mathematics) is 25; the number of students having mathematics as a major (possibly along with computer science) is 13; and the number of students majoring in both computer science and mathematics is 8. How many students are in the class? [NAT]









II. It prevents the problem of double counting.

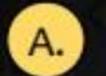
The number of properties that are true with respect to inclusion exclusion principle are?

[NAT]



The number of positive integers not exceeding 100 that are either odd or the square of an integer is _____. [MCQ]





63



55

B. 59

$$7(0) = 50$$
 50+10-5

$$n(s) = 10 = 50+5$$

 $n(ons) = 5 = 55$



