

Answer on Question #37699, Math, Statistics and Probability.

To find how many ways to choose the schedule professor has we have to calculate the product of 24 (how many different ways are to choose the first Algebra class), 23 (how many different ways are to choose the second Algebra class), 12 (how many different ways are to choose a statistics class), 4 (how many different ways are to choose a calculus class) and divide this product by $2!$, because the order of choosing first and second Algebra classes is not important. So, we have: 13248 different ways.