AQ4.3: Activity Question 3 - Not graded

**This assignment will not be graded and is only for practice.**

**Note : This activity is for your practice purpose only. Your score in this will not count towards the Qualifier Process.**

***1 point***

We have n*n* cards in a pile. We compare each card with every other card in the pile exactly once. What is the total number of comparisons that we made?

n2*n*2

n222*n*2​

n(n−1)*n*(*n*−1)

n(n−1)22*n*(*n*−1)​

Consider the following seven elements.  
  
 A group of circles with letters

AI-generated content may be incorrect.  
  
If we connect each element with every other element by lines, what is the total number of lines that we would have to draw?

***1 point***

***1 point***

As mentioned in the lecture, assume that a computer can do 108 comparisons in a second. How many seconds will it take for the computer to do pairwise comparisons of one million (1, 000, 000) elements?

Nearly 5000 seconds

Nearly 1000 seconds

Less than 1 second

Nearly 10 seconds