CS1021 Assignment #2, "Memory", Documentation.

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Pseudo-Code :



I used this algorithm to solve the problem in arm assembly/



This image represents visually what "Symmetric difference" means, It is the complement of the intersection of the two sets A and B, ie the shaded region in the image.





Pseudo-Code:



The premise of the question is from the game-show countdown, Where contestants must construct a valid english word out of 9 random letters, In the code, the letters are represtented by a character array, while the word is also represtented by a character array containing the letters of the word, The program acts like a boolean function returning wether the word in 'word' can be made out of the letters in 'randomLetters'.



Pseudo-code:



The problem in this question was to find the number of matches in each ticket but each ticket was stored as a 6 digit sequence in memory, but all the tickets were stored continuously as an array in memory.