

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(b^2 * r) time | O(b) space
5     func apartmentHunting(_ blocks: [[String: Bool]], _ requirements: [String]) -> Int {
6         var maxDistancesAtBlocks = Array(repeating: -Int.max, count: blocks.count)
7         for i in 0 ..< blocks.count {
8             for requirement in requirements {
9                 var closestReqDistance = Int.max
10
11                 for j in 0 ..< blocks.count {
12                     if let requirementAvailable = blocks[j][requirement], requirementAvailable {
13                         closestReqDistance = min(closestReqDistance, distanceBetween(i, j))
14                     }
15                 }
16
17                 maxDistancesAtBlocks[i] = max(maxDistancesAtBlocks[i], closestReqDistance)
18             }
19         }
20
21         return getIndexAtMinValue(maxDistancesAtBlocks)
22     }
23
24     func getIndexAtMinValue(_ array: [Int]) -> Int {
25         var indexAtMinValue = 0
26         var minValue = Int.max
27
28         for i in 0 ..< array.count {
29             let currentValue = array[i]
30
31             if currentValue < minValue {
32                 minValue = currentValue
33                 indexAtMinValue = i
34             }
35         }
36
37         return indexAtMinValue
38     }
39
40     func distanceBetween(_ a: Int, _ b: Int) -> Int {
41         return abs(a - b)
42     }
43 }
44
```

