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Note: This document needs to be submitted on blackboard in “.pdf” format

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| Suggest test cases for an algorithm called ‘MakeGroups’ whose specification is given below; include test cases for both “normal” and “abnormal” (unusual or unexpected) inputs.  **Input:** A list of student records (with names and SUIDs)  **Assume available:** A method *friend(X,Y)* that returns *true* if *X* is a friend of *Y*.  **Desired Output:** A set of groups, such that almost every group contains four students, but no group contains any friends.  **[Each test case must consist of an input and the corresponding desired output, described in English.]** |

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| Input | Output |
| [“646315859”, Kevin Lopez, 317999999, Diana Perez, Georgia Martinez, Asia Thomas]  (1d list) | “Wrong Input” |
| (2d List correct input) | Correct Output |
| (3+d List) | “Wrong input” |
| (One of names has a number in it in 2d list) | “Wrong Input” |
| (If a group is not divisible by 4) | Last group must have less than 4 people |
| (If a group is all friends) | Empty List |
| (group where students are not all friends) | Groups of 4 in the order they appear |
| (group where there are the same student names) | Check SUID |
| (Group where SUID is the same for students) | “Wrong Input” |
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