**Group Members**

Manahil Khalid **BSE173100**

Muhammad Ismail **BSE173165**

Muhammad Hashim Saleem **BSE161016**

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# 

# **Introduction**

The project which we have selected is about student’s cgpa calculation and for this student get enroll first and give the desired information. As this contains as much functions but we have selected two functions for further working one is about to add student’s information it will take Student’s (Name, Registration Number and course) We give the option that students are added on user’s wish so first we have asked for to enter how many students you want to add and this function called **Add Students()**. And the next function which we can use is about to calculate the CGPA of a student and this function contain three parameters i.e. semester, credit hours, and gpa. In this user have to enter number of semesters which he wanted to calculate cgpa and then enter credit hours and gpa accordingly and this function called **CGPA (semester, credithours, gpa).** In our case study the variables semester, credit hours and course contains the values. And through these values we can apply boundary value analysis.

Semester 1 -------- 8

Credit hours1 -------- 21

Gpa1 -------- 4

Through these values we can find boundary value analysis with worst case and strong robust equivalence class and produce test cases accordingly. And also compare both of them.

## **For worst case boundary value analysis**

Semester = {1,4,8,13,16}

Credit hours = {1,6,11,16,21}

Gpa = {1,1.5,2,3,4}

5n =53 =125 where n=3 because there are three variables

Total 125 test cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Semester** | **Credit hours** | **Gpa** | **Expected Output** |
|  | 1 | 1 | 1 | Pass |
|  | 1 | 1 | 1.5 | Pass |
|  | 1 | 1 | 2 | Pass |
|  | 1 | 1 | 3 | Pass |
|  | 1 | 1 | 4 | Pass |
|  | 1 | 6 | 1 | Pass |
|  | 1 | 6 | 1.5 | Pass |
|  | 1 | 6 | 2 | Pass |
|  | 1 | 6 | 3 | Pass |
|  | 1 | 6 | 4 | Pass |
|  | 1 | 11 | 1 | Pass |
|  | 1 | 11 | 1.5 | Pass |
|  | 1 | 11 | 2 | Pass |
|  | 1 | 11 | 3 | Pass |
|  | 1 | 11 | 4 | Pass |
|  | 1 | 16 | 1 | Pass |
|  | 1 | 16 | 1.5 | Pass |
|  | 1 | 16 | 2 | Pass |
|  | 1 | 16 | 3 | Pass |
|  | 1 | 16 | 4 | Pass |
|  | 1 | 21 | 1 | Pass |
|  | 1 | 21 | 1.5 | Pass |
|  | 1 | 21 | 2 | Pass |
|  | 1 | 21 | 3 | Pass |
|  | 1 | 21 | 4 | Pass |
|  | 4 | 1 | 1 | Pass |
|  | 4 | 1 | 1.5 | Pass |
|  | 4 | 1 | 2 | Pass |
|  | 4 | 1 | 3 | Pass |
|  | 4 | 1 | 4 | Pass |
|  | 4 | 6 | 1 | Pass |
|  | 4 | 6 | 1.5 | Pass |
|  | 4 | 6 | 2 | Pass |
|  | 4 | 6 | 3 | Pass |
|  | 4 | 6 | 4 | Pass |
|  | 4 | 11 | 1 | Pass |
|  | 4 | 11 | 1.5 | Pass |
|  | 4 | 11 | 2 | Pass |
|  | 4 | 11 | 3 | Pass |
|  | 4 | 11 | 4 | Pass |
|  | 4 | 16 | 1 | Pass |
|  | 4 | 16 | 1.5 | Pass |
|  | 4 | 16 | 2 | Pass |
|  | 4 | 16 | 3 | Pass |
|  | 4 | 16 | 4 | Pass |
|  | 4 | 21 | 1 | Pass |
|  | 4 | 21 | 1.5 | Pass |
|  | 4 | 21 | 2 | Pass |
|  | 4 | 21 | 3 | Pass |
|  | 4 | 21 | 4 | Pass |
|  | 8 | 1 | 1 | Pass |
|  | 8 | 1 | 1.5 | Pass |
|  | 8 | 1 | 2 | Pass |
|  | 8 | 1 | 3 | Pass |
|  | 8 | 1 | 4 | Pass |
|  | 8 | 6 | 1 | Pass |
|  | 8 | 6 | 1.5 | Pass |
|  | 8 | 6 | 2 | Pass |
|  | 8 | 6 | 3 | Pass |
|  | 8 | 6 | 4 | Pass |
|  | 8 | 11 | 1 | Pass |
|  | 8 | 11 | 1.5 | Pass |
|  | 8 | 11 | 2 | Pass |
|  | 8 | 11 | 3 | Pass |
|  | 8 | 11 | 4 | Pass |
|  | 8 | 16 | 1 | Pass |
|  | 8 | 16 | 1.5 | Pass |
|  | 8 | 16 | 2 | Pass |
|  | 8 | 16 | 3 | Pass |
|  | 8 | 16 | 4 | Pass |
|  | 8 | 21 | 1 | Pass |
|  | 8 | 21 | 1.5 | Pass |
|  | 8 | 21 | 2 | Pass |
|  | 8 | 21 | 3 | Pass |
|  | 8 | 21 | 4 | Pass |
|  | 13 | 1 | 1 | Pass |
|  | 13 | 1 | 1.5 | Pass |
|  | 13 | 1 | 2 | Pass |
|  | 13 | 1 | 3 | Pass |
|  | 13 | 1 | 4 | Pass |
|  | 13 | 6 | 1 | Pass |
|  | 13 | 6 | 1.5 | Pass |
|  | 13 | 6 | 2 | Pass |
|  | 13 | 6 | 3 | Pass |
|  | 13 | 6 | 4 | Pass |
|  | 13 | 11 | 1 | Pass |
|  | 13 | 11 | 1.5 | Pass |
|  | 13 | 11 | 2 | Pass |
|  | 13 | 11 | 3 | Pass |
|  | 13 | 11 | 4 | Pass |
|  | 13 | 16 | 1 | Pass |
|  | 13 | 16 | 1.5 | Pass |
|  | 13 | 16 | 2 | Pass |
|  | 13 | 16 | 3 | Pass |
|  | 13 | 16 | 4 | Pass |
|  | 13 | 21 | 1 | Pass |
|  | 13 | 21 | 1.5 | Pass |
|  | 13 | 21 | 2 | Pass |
|  | 13 | 21 | 3 | Pass |
|  | 13 | 21 | 4 | Pass |
|  | 16 | 1 | 1 | Pass |
|  | 16 | 1 | 1.5 | Pass |
|  | 16 | 1 | 2 | Pass |
|  | 16 | 1 | 3 | Pass |
|  | 16 | 1 | 4 | Pass |
|  | 16 | 6 | 1 | Pass |
|  | 16 | 6 | 1.5 | Pass |
|  | 16 | 6 | 2 | Pass |
|  | 16 | 6 | 3 | Pass |
|  | 16 | 6 | 4 | Pass |
|  | 16 | 11 | 1 | Pass |
|  | 16 | 11 | 1.5 | Pass |
|  | 16 | 11 | 2 | Pass |
|  | 16 | 11 | 3 | Pass |
|  | 16 | 11 | 4 | Pass |
|  | 16 | 16 | 1 | Pass |
|  | 16 | 16 | 1.5 | Pass |
|  | 16 | 16 | 2 | Pass |
|  | 16 | 16 | 3 | Pass |
|  | 16 | 16 | 4 | Pass |
|  | 16 | 21 | 1 | Pass |
|  | 16 | 21 | 1.5 | Pass |
|  | 16 | 21 | 2 | Pass |
|  | 16 | 21 | 3 | Pass |
|  | 16 | 21 | 4 | Pass |

## **For strong robust equivalence class value**

Semester = {0,1,4,8,13,16,17}

Credit hours = {0,1,6,11,16,21,22}

Gpa = {0,1,1.5,2,3,4,5}

7n =73 = where n=3 because there are three variables

Total 343 Test cases but to remove some redundant cases there are 336 cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Semester** | **Credit hours** | **Gpa** | **Expected Output** |
|  | **0** | **0** | **0** | **Fail** |
|  | **0** | **0** | **1** | **Fail** |
|  | **0** | **0** | **1.5** | **Fail** |
|  | **0** | **0** | **2** | **Fail** |
|  | **0** | **0** | **3** | **Fail** |
|  | **0** | **0** | **4** | **Fail** |
|  | **0** | **0** | **5** | **Fail** |
|  | **0** | **1** | **0** | **Fail** |
|  | **0** | **1** | **1** | **Fail** |
|  | **0** | **1** | **1.5** | **Fail** |
|  | **0** | **1** | **2** | **Fail** |
|  | **0** | **1** | **3** | **Fail** |
|  | **0** | **1** | **4** | **Fail** |
|  | **0** | **1** | **5** | **Fail** |
|  | **0** | **6** | **0** | **Fail** |
|  | **0** | **6** | **1** | **Fail** |
|  | **0** | **6** | **1.5** | **Fail** |
|  | **0** | **6** | **2** | **Fail** |
|  | **0** | **6** | **3** | **Fail** |
|  | **0** | **6** | **4** | **Fail** |
|  | **0** | **6** | **5** | **Fail** |
|  | **0** | **11** | **0** | **Fail** |
|  | **0** | **11** | **1** | **Fail** |
|  | **0** | **11** | **1.5** | **Fail** |
|  | **0** | **11** | **2** | **Fail** |
|  | **0** | **11** | **3** | **Fail** |
|  | **0** | **11** | **4** | **Fail** |
|  | **0** | **11** | **5** | **Fail** |
|  | **0** | **16** | **0** | **Fail** |
|  | **0** | **16** | **1** | **Fail** |
|  | **0** | **16** | **1.5** | **Fail** |
|  | **0** | **16** | **2** | **Fail** |
|  | **0** | **16** | **3** | **Fail** |
|  | **0** | **16** | **4** | **Fail** |
|  | **0** | **16** | **5** | **Fail** |
|  | **0** | **21** | **0** | **Fail** |
|  | **0** | **21** | **1** | **Fail** |
|  | **0** | **21** | **1.5** | **Fail** |
|  | **0** | **21** | **2** | **Fail** |
|  | **0** | **21** | **3** | **Fail** |
|  | **0** | **21** | **4** | **Fail** |
|  | **0** | **21** | **5** | **Fail** |
|  | **0** | **22** | **0** | **Fail** |
|  | **0** | **22** | **1** | **Fail** |
|  | **0** | **22** | **1.5** | **Fail** |
|  | **0** | **22** | **2** | **Fail** |
|  | **0** | **22** | **3** | **Fail** |
|  | **0** | **22** | **4** | **Fail** |
|  | **0** | **22** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **1** | **1** | **0** | **Fail** |
|  | **1** | **1** | **1.5** | **Pass** |
|  | **1** | **1** | **2** | **Pass** |
|  | **1** | **1** | **3** | **Pass** |
|  | **1** | **1** | **4** | **Pass** |
|  | **1** | **1** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **4** | **6** | **0** | **Fail** |
|  | **4** | **6** | **1** | **Pass** |
|  | **4** | **6** | **1.5** | **Pass** |
|  | **4** | **6** | **2** | **Pass** |
|  | **4** | **6** | **3** | **Pass** |
|  | **4** | **6** | **4** | **Pass** |
|  | **4** | **6** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **8** | **11** | **0** | **Fail** |
|  | **8** | **11** | **1** | **Pass** |
|  | **8** | **11** | **1.5** | **Pass** |
|  | **8** | **11** | **2** | **Pass** |
|  | **8** | **11** | **3** | **Pass** |
|  | **8** | **11** | **4** | **Pass** |
|  | **8** | **11** | **5** | **Fail** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Pass** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Fail** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Pass** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Fail** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Pass** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Pass** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Fail** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Pass** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Fail** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Fail** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Pass** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Fail** |
|  | **13** | **16** | **0** | **Fail** |
|  | **13** | **16** | **1** | **Pass** |
|  | **13** | **16** | **1.5** | **Pass** |
|  | **13** | **16** | **2** | **Pass** |
|  | **13** | **16** | **3** | **Pass** |
|  | **13** | **16** | **4** | **Pass** |
|  | **13** | **16** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **16** | **21** | **0** | **Fail** |
|  | **16** | **21** | **1** | **Pass** |
|  | **16** | **21** | **1.5** | **Pass** |
|  | **16** | **21** | **2** | **Pass** |
|  | **16** | **21** | **3** | **Pass** |
|  | **16** | **21** | **4** | **Pass** |
|  | **16** | **21** | **5** | **Fail** |
|  | **17** | **22** | **0** | **Fail** |
|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |
|  | **17** | **22** | **0** | **Fail** |
|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |
|  | **17** | **22** | **0** | **Fail** |
|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |
|  | **17** | **22** | **0** | **Fail** |
|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |
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|  | **17** | **22** | **1** | **Pass** |
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|  | **17** | **22** | **5** | **Fail** |
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|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |
|  | **17** | **22** | **0** | **Fail** |
|  | **17** | **22** | **1** | **Pass** |
|  | **17** | **22** | **1.5** | **Pass** |
|  | **17** | **22** | **2** | **Pass** |
|  | **17** | **22** | **3** | **Pass** |
|  | **17** | **22** | **4** | **Pass** |
|  | **17** | **22** | **5** | **Fail** |

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