

Capital University Of Science & Technology

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ASSIGNMENT 1



SOFTWARE QUALITY ENGINEERING

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Explanation:

As industries are fast expanding, people are seeking more ways to purchase products with much ease and still maintain cost-effectiveness. Food can be ordered through the internet and payment made without going to the restaurant or the food vendor. For this system, the User will get sign up from his Number and can enter his menu ID, Quantity and password then bill will be added to their cart

Case Study:

An XYZ food company wants to develop an app that provides food delivery at your door in very little time and with the best packaging. Providing food from every famous food place near you. Order food with the best user experience. The online food ordering system is one of the latest services most fast-food restaurants in the western world are adopting. With this method, food is ordered online and delivered to the customer. This is made possible through the use of an electronic payment system. Customers pay with their credit cards, although credit card customers can be served even before they make payment either through cash or cheque. So, the system designed in this project will enable customers to go online and place an order for their food.

Due to the great increase in the awareness of the internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture into their business with ease because of the internet. One such business that the internet introduced is an online food ordering system. In today's age of fast food and take out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until recently, most of these delivery orders were placed over the phone.

This application helps the restaurants to do all functionalities more accurately and faster way. Food Ordering System reduces manual works and improves the efficiency of restaurants. This application is helping Food Ordering s to maintain the stock and cash flows and there are many more functionalities, like.

- To store records.
- Control orders and services.
- Billings.
- Control staff and their shifting.
- Control multiple branches.
- Helps Manager to control each part of the restaurant.

For the System user will have to register to the app and will and to sign up. He has to add his credentials (**PhoneNO, password**) in order to login to the system, Once the user gets logged to their ID. If a user is new he has to add his number first. Users can select Food ID from the menu and can Add it to the cart and will have to specify his food quantity. One main feature if this system is that the user will have to add at least one cold drink to his menu.

Functions:

1. *Void CancelOrder(Int OrderID):*

This function will help the user to cancel the food ID that has been added to the food cart. User will have to enter a 4-digit ID

2. *Void CreateOrder(int OrderID,int Quantity,int Password)*

In this function, the user will enter a 4-digit of food ID that he wants to order then he will enter the quantity of the food that wants to order that should not greater than 10 and in the last, he will enter his password again to confirm his order

3. *Void EnterQuantity(int Quantity)*

This function will ask about the amount of food that the user wants to order. He can order from 0 to 10 items, more than that will not be valid

BLACK BOX TESTING

BVA:

In **BVA** testing we test every single possible combination. Cases are calculated by the formula $4(n)+1$ where n is the number of variables.

1. *Void EnterPhoneNo(Int Password)*

Total test cases $4(1)+1=5$, password range should be 4 digit characters not more or less
min = 0000, min+1 = 0001 , normal = 5466 , max-1 = 9998, max = 9999

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | valid |
| 4 | 99991 | invalid |
| 5 | 1000 | valid |

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2. *Void CancelOrder(Int OrderID):*

Total test cases $4(1)+1=5$, only binary values will be valid

min = 0000, min+1 = 0001, normal = 5466, max-1 = 9999, max = 9999

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | Invalid |
| 4 | 9999 | Invalid |
| 5 | 1000 | valid |

3. *Void CreateOrder(int OrderID,int Quantity,int Password)*

Total test cases $4(3)+1=13$,

min = 0000, min+1 = 0001, normal = 5466, max-1 = 9998, max = 9999

| <u>Case</u> | <u>OrderID</u> | <u>Quantity</u> | <u>Password</u> | <u>Expected output</u> |
|-------------|----------------|-----------------|-----------------|------------------------|
| 1 | 0000 | 1 | 0000 | valid |
| 2 | 0001 | 4 | 0021 | invalid |
| 3 | 0002 | 3 | 0025 | invaild |
| 4 | 0003 | 3 | 0028 | invaild |
| 5 | 0004 | 7 | 0025 | invaild |
| 6 | 0005 | 4 | 1121 | invaild |
| 7 | 0006 | 5 | 1123 | invalid |
| 8 | 0007 | 3 | 1125 | invalid |
| 9 | 0008 | 2 | 1223 | invalid |

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|----|------|----|------|---------|
| 10 | 0009 | 12 | 2342 | invalid |
| 11 | 0010 | 4 | 5321 | vaild |
| 12 | 0011 | 14 | 4325 | invalid |
| 13 | 0012 | 3 | 1246 | invalid |

RBVA:

In **RBVA** testing we test every single possible combination. Cases are calculated by the formula $6(n)+1$ where n is the number of variables.

1. *Void EnterPhoneNo(Int Password)*

Total test cases $6(1)+1=7$, password range should be 4 digit characters not more or less
min = 0000, min+1 =0001 , normal =5466 , max-1 = 9998, max =9999

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | valid |
| 4 | 99991 | invalid |
| 5 | 1000 | valid |
| 6 | 1124 | valid |
| 7 | 4444 | valid |

2. *Void CancelOrder(Int OrderID):*

Total test cases $6(1)+1=7$, only binary values will be valid
min = 0000, min+1 =0001 , normal =5466 , max-1 = 9999, max =9999

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| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | Invalid |
| 4 | 9999 | Invalid |
| 5 | 1000 | valid |
| 6 | 1124 | valid |
| 7 | 4444 | valid |

3. *Void CreateOrder(int OrderID,int Quantity,int Password)*

Total test cases $6(3)+1=19$,

min = 0000, min+1 =0001 , normal =5466 , max-1 = 9998, max =9999

| <u>Case</u> | <u>OrderID</u> | <u>Quantity</u> | <u>Password</u> | <u>Expected output</u> |
|-------------|----------------|-----------------|-----------------|------------------------|
| 1 | 0000 | 1 | 0000 | valid |
| 2 | 0001 | 4 | 0021 | invalid |
| 3 | 0002 | 3 | 0025 | invaild |
| 4 | 0003 | 3 | 0028 | invaild |
| 5 | 0004 | 7 | 0025 | invaild |
| 6 | 0005 | 4 | 1121 | invaild |
| 7 | 0006 | 5 | 1123 | invalid |
| 8 | 0007 | 3 | 1125 | invalid |
| 9 | 0008 | 2 | 1223 | invalid |

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| | | | | |
|----|------|----|------|---------|
| 10 | 0009 | 12 | 2342 | invalid |
| 11 | 0010 | 4 | 5321 | vaild |
| 12 | 0011 | 14 | 4325 | invalid |
| 13 | 0012 | 3 | 1246 | invalid |
| 14 | 0013 | 5 | 4334 | invalid |
| 15 | 0014 | 7 | 2322 | invalid |
| 16 | 0015 | 4 | 2345 | invalid |
| 17 | 0016 | 2 | 1111 | invalid |
| 18 | 0017 | 6 | 6784 | invalid |
| 19 | 0018 | 8 | 9999 | invalid |

Worst-Case BVA:

In **Worst-Case BVA** testing we test every single possible combination. Cases are calculated by the formula 5^n (5 power n) where n is the number of variables. To generate test cases first we choose 5 numbers between the given boundary values (min, min+1, normal, max-1, max).

1. Void EnterPhoneNo(Int Password)

Total test cases $5^1=5$, password range should be 4 digit characters not more or less
min = 0000, min+1 = 0001, normal = 5555, max-1 = 9998, max = 9999

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | valid |

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| | | |
|---|-------|---------|
| 4 | 99991 | invalid |
| 5 | 1000 | valid |

2. *Void CancelOrder(Int OrderID):*

Total test cases $5^1=5$, only binary values will be valid

min = 0000, min+1 = 0001 , normal = 5466 , max-1 = 9999, max = 9999

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|--------------------|-------------------|-------------------------------|
| 1 | 0000 | valid |
| 2 | 0001 | Valid |
| 3 | 5466 | Invalid |
| 4 | 9999 | Invalid |
| 5 | 1000 | valid |

3. *Void CreateOrder(int OrderID,int Quantity,int Password)*

Total test cases $5^3=125$,

min = 0000, min+1 = 0001 , normal = 5466 , max-1 = 9998, max = 9999

| <u>Case</u> | <u>OrderID</u> | <u>Quantity</u> | <u>Password</u> | <u>Expected output</u> |
|--------------------|-----------------------|------------------------|------------------------|-------------------------------|
| 1 | 0000 | 1 | 0012 | valid |
| 2 | 0001 | 4 | 0032 | invalid |
| 3 | 0002 | 3 | 0012 | invaild |
| 4 | 0003 | 3 | 0023 | invaild |
| 5 | 0004 | 7 | 0023 | invaild |

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|----|------|----|------|---------|
| 6 | 0005 | 4 | 0023 | invaild |
| 7 | 0006 | 5 | 0023 | invalid |
| 8 | 0007 | 3 | 0023 | invalid |
| 9 | 0008 | 2 | 0034 | invalid |
| 10 | 0009 | 12 | 0033 | invalid |
| 11 | 0010 | 4 | 0021 | invaild |
| 12 | 0011 | 14 | 0014 | invalid |
| 13 | 0012 | 3 | 0017 | invalid |
| 14 | 0013 | 5 | 0018 | invalid |
| 15 | 0014 | 7 | 0062 | invalid |
| 16 | 0015 | 4 | 0071 | invalid |
| 17 | 0016 | 2 | 0019 | invalid |
| 18 | 0017 | 6 | 0023 | invalid |
| 19 | 0018 | 8 | 3434 | invalid |
| 20 | 0019 | 5 | 3453 | invalid |
| 21 | 0020 | 14 | 2342 | invalid |

| | | | | |
|----|------|---|------|---------|
| 22 | 0021 | 7 | 0012 | invalid |
| 23 | 0022 | 4 | 0032 | invalid |
| 24 | 0023 | 3 | 0012 | invalid |
| 25 | 0024 | 1 | 0023 | invalid |
| 26 | 0025 | 4 | 0023 | invalid |
| 27 | 0026 | 1 | 0023 | invalid |
| 28 | 0027 | 1 | 0023 | invalid |
| 29 | 0028 | 5 | 0023 | invalid |
| 30 | 0029 | 7 | 0034 | invalid |
| 31 | 0030 | 4 | 0033 | invalid |

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|----|------|----|------|---------|
| 32 | 0031 | 2 | 0021 | invalid |
| 33 | 0032 | 4 | 0014 | invalid |
| 34 | 0033 | 5 | 0017 | invalid |
| 35 | 0034 | 6 | 0018 | invalid |
| 36 | 0035 | 7 | 0062 | invalid |
| 37 | 0036 | 9 | 0071 | invalid |
| 38 | 0037 | 0 | 0019 | invalid |
| 39 | 0038 | 54 | 0023 | invalid |
| 40 | 0039 | 3 | 3434 | invalid |
| 41 | 0040 | 5 | 3453 | invalid |

| | | | | |
|----|------|----|------|---------|
| 42 | 0041 | 3 | 0012 | invalid |
| 43 | 0042 | 5 | 0032 | invalid |
| 44 | 0043 | 7 | 0012 | invalid |
| 45 | 0044 | 8 | 0023 | invalid |
| 46 | 0045 | 11 | 0023 | invalid |
| 47 | 0046 | 34 | 0023 | invalid |
| 48 | 0047 | 6 | 0023 | invalid |
| 49 | 0048 | 5 | 0023 | invalid |
| 50 | 0049 | 7 | 0034 | invalid |
| 51 | 0050 | 4 | 0033 | invalid |
| 52 | 0051 | 2 | 0021 | invalid |
| 53 | 0052 | 7 | 0014 | invalid |
| 54 | 0053 | 0 | 0017 | invalid |
| 55 | 0054 | 4 | 0018 | invalid |
| 56 | 0055 | 2 | 0062 | invalid |
| 57 | 0056 | 6 | 0071 | invalid |

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|----|------|---|------|---------|
| 58 | 0057 | 2 | 0019 | invalid |
| 59 | 0058 | 1 | 0023 | invalid |
| 60 | 0059 | 6 | 3434 | invalid |
| 61 | 0060 | 7 | 3453 | invalid |
| 62 | 0061 | 3 | 0012 | invalid |

Robust Worst-Case BVA:

In **Robust Worst-Case BVA** testing we test every single possible combination. Cases are calculated by the formula 7^n (7 power n) where n is the number of variables. To generate test cases first we choose 5 numbers between the given boundary values (min-1, min, min+1, normal, max-1, max, max+1).

1. Void EnterPhoneNo(Int Password)

Total test cases $7^1=7$, password range should be 4 digit characters not more or less

Min-1 = -0001, min = 0000, min+1 = 0001 , normal = 5466 , max-1 = 9998, max = 9999

max+1=10000

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | -0001 | Invalid |
| 2 | 0000 | valid |
| 3 | 0001 | Valid |
| 4 | 5466 | valid |
| 5 | 19999 | invalid |
| 6 | 1000 | valid |
| 7 | 10000 | Invalid |

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2. ***Void CancelOrder(Int OrderID):***

Total test cases $7^1=7$, only binary values will be valid

Min-1 = -0001, min = 0000, min+1 = 0001, normal = 5466, max-1 = 9999, max = 1000

max+1=1001

| <u>Case</u> | <u>Pin</u> | <u>Expected output</u> |
|-------------|------------|------------------------|
| 1 | -0001 | Invalid |
| 2 | 0000 | valid |
| 3 | 0001 | Valid |
| 4 | 5466 | Invalid |
| 5 | 9999 | Invalid |
| 6 | 1000 | valid |
| 7 | 10000 | Invalid |

3. ***Void CreateOrder(int OrderID,int Quantity,int Password)***

Total test cases $7^3=343$,

min = 0000, min+1 = 0001, normal = 5466, max-1 = 9998, max = 9999

| <u>Case</u> | <u>OrderID</u> | <u>Quantity</u> | <u>Password</u> | <u>Expected output</u> |
|-------------|----------------|-----------------|-----------------|------------------------|
| 1 | -0001 | 3 | 0012 | Invalid |
| 2 | 0000 | 1 | 0032 | valid |
| 3 | 0001 | 4 | 0012 | invalid |
| 4 | 0002 | 3 | 0023 | invaild |
| 5 | 0003 | 3 | 0023 | invaild |

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|----|------|----|------|---------|
| 6 | 0004 | 7 | 0023 | invaild |
| 7 | 0005 | 4 | 0023 | invaild |
| 8 | 0006 | 5 | 0023 | invalid |
| 9 | 0007 | 3 | 0034 | invalid |
| 10 | 0008 | 2 | 0033 | invalid |
| 11 | 0009 | 12 | 0021 | invalid |
| 12 | 0010 | 4 | 0014 | invalid |
| 13 | 0011 | 14 | 0017 | invalid |
| 14 | 0012 | 3 | 0018 | invalid |
| 15 | 0013 | 5 | 0062 | invalid |
| 16 | 0014 | 7 | 0071 | invalid |
| 17 | 0015 | 4 | 0019 | invalid |
| 18 | 0016 | 2 | 0023 | invalid |
| 19 | 0017 | 6 | 3434 | invalid |
| 20 | 0018 | 8 | 3453 | invalid |
| 21 | 0019 | 5 | 0063 | invalid |
| 22 | 0020 | 14 | 0087 | invalid |

| | | | | |
|----|------|---|------|---------|
| 23 | 0021 | 7 | 0021 | invalid |
| 24 | 0022 | 4 | 0056 | invalid |
| 25 | 0023 | 3 | 0005 | invalid |
| 26 | 0024 | 1 | 0015 | invalid |
| 27 | 0025 | 4 | 0045 | invalid |
| 28 | 0026 | 1 | 0033 | invalid |
| 29 | 0027 | 1 | 0091 | invalid |
| 30 | 0028 | 5 | 0068 | invalid |
| 31 | 0029 | 7 | 0023 | invalid |

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| | | | | |
|----|------|----|------|---------|
| 32 | 0030 | 4 | 0087 | invalid |
| 33 | 0031 | 2 | 0012 | invalid |
| 34 | 0032 | 4 | 0032 | invalid |
| 35 | 0033 | 5 | 0012 | invalid |
| 36 | 0034 | 6 | 0023 | invalid |
| 37 | 0035 | 7 | 0023 | invalid |
| 38 | 0036 | 9 | 0023 | invalid |
| 39 | 0037 | 0 | 0023 | invalid |
| 40 | 0038 | 13 | 0023 | invalid |
| 41 | 0039 | 3 | 0034 | invalid |
| 42 | 0040 | 5 | 0033 | invalid |

| | | | | |
|----|------|----|------|---------|
| 43 | 0041 | 3 | 0012 | invalid |
| 44 | 0042 | 5 | 0032 | invalid |
| 45 | 0043 | 7 | 0012 | invalid |
| 46 | 0044 | 8 | 0023 | invalid |
| 47 | 0045 | 11 | 0023 | invalid |
| 48 | 0046 | 12 | 0023 | invalid |
| 49 | 0047 | 6 | 0023 | invalid |
| 50 | 0048 | 5 | 0023 | invalid |
| 51 | 0049 | 7 | 0034 | invalid |
| 52 | 0050 | 4 | 0033 | invalid |
| 53 | 0051 | 2 | 0021 | invalid |
| 54 | 0052 | 7 | 0014 | invalid |
| 55 | 0053 | 2 | 0017 | invalid |
| 56 | 0054 | 4 | 0018 | invalid |
| 57 | 0055 | 2 | 0062 | invalid |

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|----|------|---|------|---------|
| 58 | 0056 | 6 | 0071 | invalid |
| 59 | 0057 | 2 | 0019 | invalid |
| 60 | 0058 | 1 | 0023 | invalid |
| 61 | 0059 | 6 | 3434 | invalid |
| 62 | 0060 | 7 | 3453 | invalid |
| 63 | 0061 | 3 | 0012 | invalid |
| 64 | 0052 | 4 | 1232 | invalid |
| 65 | 0053 | 7 | 0234 | invalid |
| 66 | 0054 | 3 | 3343 | invalid |
| 67 | 0055 | 6 | 1257 | invalid |
| 68 | 0056 | 1 | 6326 | invalid |
| 69 | 0057 | 4 | 0013 | invalid |
| 70 | 0058 | 8 | 0089 | invalid |
| 71 | 0059 | 2 | 3478 | invalid |
| 72 | 0060 | 3 | 3672 | invalid |
| 73 | 0061 | 4 | 0047 | invalid |
| 74 | 0071 | 1 | 0034 | invalid |
| 75 | 0071 | 7 | 0012 | invalid |
| 76 | 0021 | 2 | 0034 | invalid |
| 77 | 0012 | 3 | 0042 | invalid |
| 78 | 0071 | 5 | 0015 | invalid |
| 79 | 0058 | 2 | 8954 | invalid |
| 80 | 0083 | 7 | 9012 | invalid |
| 81 | 0082 | 2 | 6345 | invalid |
| 82 | 0086 | 8 | 7823 | invalid |
| 83 | 0087 | 3 | 4512 | invalid |
| 84 | 0088 | 4 | 0018 | invalid |

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|----|------|---|------|---------|
| 85 | 0089 | 5 | 0062 | invalid |
| 86 | 0055 | 3 | 0043 | invalid |

| | | | | |
|-----|------|---|------|---------|
| 87 | 0023 | 2 | 3232 | invalid |
| 88 | 0024 | 1 | 0012 | invalid |
| 89 | 0025 | 4 | 0032 | invalid |
| 90 | 0026 | 9 | 0012 | invalid |
| 91 | 0027 | 5 | 0023 | invalid |
| 92 | 0028 | 2 | 0023 | invalid |
| 93 | 0029 | 1 | 0023 | invalid |
| 94 | 0030 | 7 | 0023 | invalid |
| 95 | 0031 | 3 | 0023 | invalid |
| 96 | 0032 | 8 | 0034 | invalid |
| 97 | 0033 | 9 | 0033 | invalid |
| 98 | 0034 | 6 | 0021 | invalid |
| 99 | 0056 | 5 | 0014 | invalid |
| 100 | 0057 | 4 | 0017 | invalid |
| 101 | 0058 | 1 | 0018 | invalid |
| 102 | 0059 | 3 | 0062 | invalid |
| 103 | 0060 | 9 | 0071 | invalid |
| 104 | 0061 | 1 | 0019 | invalid |
| 105 | 0071 | 5 | 0023 | invalid |
| 106 | 0071 | 4 | 3434 | invalid |

| | | | | |
|-----|------|---|------|---------|
| 107 | 0043 | 1 | 0014 | invalid |
| 108 | 0044 | 3 | 0017 | invalid |
| 109 | 0045 | 8 | 0018 | invalid |

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|-----|------|----|------|---------|
| 110 | 0046 | 4 | 0062 | invalid |
| 111 | 0047 | 5 | 0071 | invalid |
| 112 | 0048 | 6 | 0019 | invalid |
| 113 | 0049 | 2 | 0023 | invalid |
| 114 | 0050 | 4 | 3434 | invalid |
| 115 | 0081 | 9 | 0012 | invalid |
| 116 | 0083 | 7 | 0032 | invalid |
| 117 | 0097 | 6 | 0012 | invalid |
| 118 | 0089 | 4 | 0023 | invalid |
| 119 | 0072 | 5 | 0023 | invalid |
| 120 | 0022 | 3 | 0023 | invalid |
| 121 | 0076 | 2 | 0023 | invalid |
| 122 | 0089 | 1 | 0023 | invalid |
| 123 | 0088 | 8 | 0034 | invalid |
| 124 | 0082 | 9 | 0033 | invalid |
| 125 | 0084 | 4 | 0021 | invalid |
| 126 | 0086 | 3 | 0083 | invalid |
| 127 | 0058 | 3 | 0032 | invalid |
| 128 | 0059 | 5 | 0012 | invalid |
| 129 | 0060 | 7 | 0023 | invalid |
| 130 | 0061 | 8 | 0023 | invalid |
| 131 | 0071 | 11 | 0023 | invalid |
| 132 | 0071 | 34 | 0023 | invalid |
| 133 | 0021 | 6 | 0023 | invalid |
| 134 | 0012 | 5 | 0034 | invalid |
| 135 | 0071 | 7 | 0033 | invalid |
| 136 | 0058 | 4 | 0021 | invalid |

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| | | | | |
|-----|------|----|------|---------|
| 137 | 0083 | 2 | 0014 | invalid |
| 138 | 0082 | 7 | 0017 | invalid |
| 139 | 0086 | 2 | 0032 | invalid |
| 140 | 0087 | 4 | 0012 | invalid |
| 141 | 0088 | 2 | 0023 | invalid |
| 142 | 0002 | 6 | 0054 | invalid |
| 143 | 0003 | 2 | 0072 | invalid |
| 144 | 0004 | 3 | 0022 | invalid |
| 145 | 0005 | 1 | 0076 | invalid |
| 146 | 0006 | 4 | 0089 | invalid |
| 147 | 0007 | 3 | 0088 | invalid |
| 148 | 0008 | 3 | 0082 | invalid |
| 149 | 0009 | 7 | 0084 | invalid |
| 150 | 0010 | 4 | 0086 | invalid |
| 151 | 0011 | 5 | 0058 | invalid |
| 152 | 0012 | 3 | 0059 | invalid |
| 153 | 0013 | 2 | 0060 | invalid |
| 154 | 0014 | 12 | 0061 | invalid |
| 155 | 0015 | 3 | 0071 | invalid |
| 156 | 0016 | 1 | 0071 | invalid |
| 157 | 0017 | 4 | 0021 | invalid |
| 158 | 0002 | 3 | 0012 | invalid |
| 159 | 0003 | 7 | 0071 | invalid |
| 160 | 0004 | 4 | 0072 | invalid |
| 161 | 0005 | 3 | 0025 | invalid |
| 162 | 0023 | 1 | 0026 | invalid |
| 163 | 0043 | 4 | 0027 | invalid |

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|-----|-------|---|------|---------|
| 164 | 0023 | 1 | 0028 | invalid |
| 165 | 0012 | 1 | 0029 | invalid |
| 166 | 0098 | 5 | 0030 | invalid |
| 167 | 0065 | 7 | 0031 | invalid |
| 168 | 0045 | 4 | 0032 | invalid |
| 169 | 0011 | 2 | 0041 | invalid |
| 170 | 0032 | 4 | 0054 | invalid |
| 171 | 0045 | 5 | 0063 | invalid |
| 172 | 10000 | 6 | 0078 | invalid |