Part II

**Design Document:**

String with no ‘O’s

String with ‘O’s in beginning

String with ‘O’s in end

String with all ‘O’s

String with tab

String with lowercase/uppercase (case sensitive)

Empty string

Null string

String with other chars

**1. Input partitioning:**

E1: word = String with no ‘O’s

E2: word = String with ‘O’s in the beginning

E3: word = String with ‘O’s in the end

E4: word = String with all ‘O’s

E5: word = String with tab

E6: word = String with lowercase/uppercase (case sensitive)

E7: word = Null string

E8: word = Empty string

E9: word = Non alphabetical chars

2.

|  |  |  |
| --- | --- | --- |
| Equivalence Class | Input | Expected |
| String with no ‘O’s | Example\_space | 0 |
| String with ‘o’s in beginning and end | ooWLoo | 4 |
| String with ‘O’s in the end and beginning | OOShackrOO | 4 |
| String with tab | J A Y | IllegalArgument |
| String with lowercase/uppercase | Owol | 2 |
| Null String |  | Null Pointer Exception |
| Empty String  Non alphabetical | !,’;/,o,o | -  2 |