| perfect() | | |
| --- | --- | --- |
| equivalence class | boundary value | valid return |
| a < 1 | 0 | throws IllegalArgumentException |
| a = 1 | 1 | false (1 is not perfect) |
| perfect numbers | 6 | true (6 is perfect) |
| non-perfect numbers | 7 | false (7 is not perfect) |
|  | | |
| **getFactors()** | | |
| equivalence class | boundary value | valid return |
| a > 1 | 2 | [1] |
| a = 1 | 1 | [] (empty list) |
| a = 0 | 0 | [] (empty list) |
| a < 0 | -1 | throws IllegalArgumentException |
| (value with several factors) | (sample value): 12 | [1,2,3,4,6] |
|  | | |
| **factors()** | | |
| equivalence class | boundary value | valid return |
| a < 0, b < 1 | a =0, b =1 | Throws IllegalArgumentException |
| B is not a factor of A | (sample value): 1, 2 | False |
| B is a factor of A | (sample value): 2, 1 | True |