## 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 | (1, 2) | false |
| b < 1 | (2, 0) | throws IllegalArgumentException |
| a < 0 | (-1, 1) | throws IllegalArgumentException |
| a = 0, b = 1 | (0, 1) | true |
| (value, factor of value) value > 0, factor > 1 | (8, 4) | true |
| (value, non-factor of value) value > -1, non-factor > -1 | (3, 2) | false |