

| 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, 1 | throws IllegalArgumentException |
| a > 0, b < 1 | 1, 0 | throws IllegalArgumentException |
| a < 0, b < 1 | -1, 0 | throws IllegalArgumentException |
| factors | (sample values): 12, 6 | True |
| None factors | (sample values): 12, 7 | false |