

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
$a < 0$ and $b < 1$	$a = -1, b = 0$	throws IllegalArgumentException