

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 , 0	throws IllegalArgumentException
a < 0, b > 1	-1, 2	throws IllegalArgumentException
a > 0, b < 1	1 , 0	throws IllegalArgumentException
factor	1, 1	true (1 is a factor of 1)
non-factor	7, 3	false (3 is not a factor of 7)