Disjoint Sets Analysis

The **iterated log** function:
The number of times you can take a log of a number.

$\log^*(n) =$
$\quad 0 \qquad\qquad\qquad , n \leq 1$
$\quad 1 + \log^*(\log(n)) , n > 1$

What is $\lg^*(2^{65536})$?