**library(bitops)** *# load the bitops functions*

*# take an IP address string in dotted octets (e.g. "192.168.0.1")*

*# and convert it to a 32-bit long integer (e.g. 3232235521)*

**ip2long <- function(ip) {**

*# convert string into vector of characters*

**ips <- unlist(strsplit(ip, '.', fixed=TRUE))**

*# set up a function to bit-shift, then "OR" the octets*

**arity <- function(x,y) bitOr(bitShiftL(x, 8), y)**

*# Reduce applys a funcution cumulatively left to right*

**Reduce(arity, as.integer(ips))**

**}**

## [1] 8.192000e+03 1.638400e+04 4.096000e+03 8.192000e+03 .024000e+03

## [8] 4.096000e+03 8.192000e+03 2.048000e+03 NA NA 1.0240004

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