conv.R

corals

2021-05-30

```
multiplicar <- function(vector_a){
  resultado=1
  for (i in 1:length(vector_a)) {
    resultado = resultado*vector_a[i]
  }
  return(resultado)
}

v <- rep(0, 100)
p <- c()
for (i_1 in 1:8) {
  switch (i_1, p[1]<-0.3, p[1]<-0.3, p[1]<-0.2, p[1]<-0.1, p[1]<-0.1)
  for (i_2 in 1:8) {
    switch (i_2, p[2]<-0.3, p[2]<-0.3, p[2]<-0.2, p[2]<-0.1, p[2]<-0.1)
    for (i_3 in 1:8) {
      switch (i_3, p[3]<-0.3, p[3]<-0.3, p[3]<-0.2, p[3]<-0.1, p[3]<-0.1)
      for (i_4 in 1:8) {
        switch (i_4, p[4]<-0.3, p[4]<-0.3, p[4]<-0.2, p[4]<-0.1, p[4]<-0.1)
        for (i_5 in 1:8) {
          switch (i_5, p[5]<-0.3, p[5]<-0.3, p[5]<-0.2, p[5]<-0.1, p[5]<-0.1)
          for (i_6 in 1:8) {
            switch (i_6, p[6]<-0.3, p[6]<-0.3, p[6]<-0.2, p[6]<-0.1, p[6]<-0.1)
            for (i_7 in 1:8) {
              switch (i_7, p[7]<-0.3, p[7]<-0.3, p[7]<-0.2, p[7]<-0.1, p[7]<-0.1)
              for (i_8 in 1:8) {
                switch (i_8, p[8]<-0.3, p[8]<-0.3, p[8]<-0.2, p[8]<-0.1, p[8]<-0.1)
                valor <- i_1 + i_2 + i_3 + i_4 + i_5 + i_6 + i_7 + i_8
                v[valor] <- v[valor] + multiplicar(p)
              }
            }
          }
        }
      }
    }
  }
}

v
```

```
##   [1] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##   [7] 0.00000000 0.00006561 0.00052488 0.00218700 0.00629856 0.01415718
##  [13] 0.02671056 0.04453704 0.06819552 0.09840609 0.13561344 0.17921844
##  [19] 0.22732272 0.27733086 0.32680224 0.37372512 0.41609952 0.45155716
```

```
##  [25] 0.47767792 0.49280996 0.49656112 0.48954236 0.47276584 0.44734000
##  [31] 0.41463256 0.37649697 0.33515056 0.29274232 0.25100272 0.21120502
##  [37] 0.17431648 0.14109608 0.11204712 0.08733677 0.06681312 0.05012512
##  [43] 0.03684440 0.02652296 0.01870192 0.01291872 0.00873552 0.00577193
##  [49] 0.00371960 0.00233552 0.00142880 0.00085136 0.00049288 0.00027588
##  [55] 0.00014848 0.00007659 0.00003784 0.00001788 0.00000800 0.00000330
##  [61] 0.00000120 0.00000036 0.00000008 0.00000001 0.00000000 0.00000000
##  [67] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##  [73] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##  [79] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##  [85] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##  [91] 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000
##  [97] 0.00000000 0.00000000 0.00000000 0.00000000
```