

```
# Generates same rows as in .stoch_row(N), but with randomly introduced sparsity
.stoch_row_zeros <- function(N){
  # Sample a vector of probabilities
  row <- runif(n = N, min = 0, max = 1)
  # Sample a vertex degree of at least one (as to ensure row is stochastic)
  degree_vertex <- sample(x = 1:(N-1), size = 1)
  # Sever a random selection of edges to set the vertex degree
  row[sample(1:N, size = N - degree_vertex)] <- 0
  # Return normalized row
  row / sum(row)
}
```