```r
RM_stoch <- function(N, symm = F, sparsity = F){
  # Choose row function depending on sparsity argument
  if(sparsity){row_fxn <- .stoch_row_zeros} else {row_fxn <- .stoch_row}
  # Generate the [N x N] stochastic matrix stacking N stochastic rows
  P <- do.call("rbind", lapply(X = rep(N, N), FUN = row_fxn))
  # Make symmetric (if prompted)
  if(symm){ P <- .makeStochSymm(P) }
  # Return the matrix
  P
}
```