```r
# Returns a Hermitian version of a matrix by manual assignment
.makeHermitian <- function(P){
  for(i in 1:nrow(P)){
    for(j in 1:ncol(P)){
      # Select the entries in the upper triangle (i < j)
      if(i < j){
        # Make the upper triangle equal to the conjugate transpose of the lower triangle
        P[i,j] <- Conj(P[j,i])
      }
    }
  }
  # Return the Hermitian Matrix
  P
}


# Return the off-diagonal entries of row i
.offdiagonalEntries <- function(row, row_index){row[which(1:length(row) != row_index)]}
```