Prolog for Artificial Intelligence

Describe how lists that are represented by difference lists may be concatenated (or “appended”) in constant time. [6 marks]

Define a procedure \texttt{rotate(X,Y)} where both \texttt{X} and \texttt{Y} are represented by difference lists, and \texttt{Y} is formed by rotating \texttt{X} to the left by one element. [14 marks]