Programming in Modula-3

Describe the facilities in Modula-3 for modelling data by means of \texttt{ARRAYs}, \texttt{RECORDs} and \texttt{REFerences}. \hfill [12 marks]

Illustrate your answer by specifying some data types to model a map. This should include points (specifying latitude and longitude), junctions (specifying a point and the roads incident at the junction) and road segments (specifying the junctions at each end, a name and some intermediate points between the ends). \hfill [8 marks]