Problem 3 solution in FOL

N-Queens-Solution (N, QueenList)

Length ([a16]) = 0 Length ([a16]) = Length (a) + Length (b) Length (Queenlist) = N

QueonList = [[m/x]/n] -> Length (m) = Index (x)

x & Queen List > 0 4 x 4 N

 $y, \neq \in QueenList \land \neg (InJex(y) = Index(\pm)) \rightarrow \neg (y = \pm) \land$ $\neg (y = \pm + (Index(y) - Index(\pm)))$ $\neg (y = \pm - (Index(y) - Index(\pm))$