Stat 155 Homework # 3 Due February 17

Problems:

Q 1 Ferguson Chapter I Section 1.5 Q 4

Q 2 Ferguson Chapter I Section 2.6 Q 2

Q 3 In a game of Nim with piles (1,2,3,..., 63) find a winning move.

Q 4 A game of chomp begins with the following combination

$$
\begin{array}{lll}
* & ** & * \qquad\qquad (1)\\
* & ** & \qquad\qquad (2)\\
* & * & \qquad\qquad (3)\\
* & & \qquad\qquad (4)
\end{array}
$$

That is four boxes in the top row, 3 in the second, 2 in the third and on in the bottom row. Is this an N or P position - justify your answer?