Exercise 1: Top/Total Strictness Analysis

Consider the following function:

```ml
let rec rev = fun a -> fun l ->
    match l with
    | [] -> a
    | x::xs -> rev (x::a) xs
```

Find out the top and total strictness information by setting up corresponding equation systems and solving them.

Exercise 2: BDDs

Depict the BDD for the majority function:

\[
\text{maj}(x_1, x_2, \ldots, x_6) = \begin{cases} 
1 & \text{if } x_1 + x_2 + \cdots + x_6 \geq 4 \\
0 & \text{otherwise}
\end{cases}
\]

given the variable ordering \(x_1 < \cdots < x_6\).