A recursive function has two parts, the basis and the inductive step.

1. The basis computes the result for sufficiently small arguments, without making any recursive call.

2. The inductive step calls the function recursively, with smaller arguments.

The following recursive function (which is intended to reverse a list and which is almost identical to the correct version of naive reverse that we discussed in class on Thursday) breaks one of these two rules. Which one? In which way?

```haskell
fun reverse(L) =
    if L = nil then nil
    else reverse(L) @ [hd(L)];
```

**Answer:** The second (because the recursive call does not have a smaller argument)