

Question:

Example: Factorial

```
algorithm factorial
  input: integer n >= 0
  output: n!

  if n = 0:
    return 1
  else
    return n * factorial(n - 1)
```

Identify

Base cases?

Making the recursive call on a subproblem?

Solution incorporating the solution to the subproblem?

My Answer:

Base Cases:

```
if n = 0;
    return 1
```

Recursive Call:

```
n * factorial(n - 1)
```

Solution:

```
n * factorial(n - 1)
```