# Esitmate posterior density moments

## Description

Esitmate moments of h(x) with respect to posterior density

## Usage

```
expect(n, theta0, l.b, u.b, h, theta.density, like)
```

## Arguments

| | |
|---|---|
| `n` | Number of observations |
| `theta0` | Initial point to find modal value of l(x), number or vector of numbers. |
| `l.b` | Low bound of set where to search modal value of l(x), number or vector of numbers with dim = dim(x) |
| `u.b` | Upper bound of set where to search modal value of l(x), number or vector of numbers with dim = dim(x). |
| `h,theta.density,like` | Functions of x, if type = 1. |

## Value

Expected value: E(h(x)|Y^(n)) and normalize constant for posterior density

## Author(s)

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