- Data

```
data = {0.3, 0.5, 0.7, 0.8, 0.9}
```

```
{0.3, 0.5, 0.7, 0.8, 0.9}
```

- P(D|H_0)

$$\left(\frac{1}{2}\right)^5$$

```
1/32 // N
```

```
0.03125
```

- P(D|H_1)

```
L = 1/2 (1 - 0.4 x) /. x → {0.3, 0.5, 0.7, 0.8, 0.9}
```

```
{0.44, 0.4, 0.36, 0.34, 0.32}
```

```
Product[L[[i]], {i, 1, 5}]
```

```
0.00689357
```

- The ratio

```
0.03125` / 0.006893567999999998`
```

```
4.53321
```

The H_0 seems 4.5 times better than H_1