**Fact 14:**
**The answer to a feasibility study is almost always "yes"**

## **Explanation:**

"Incurable optimism":
Since no one has ever been able to solve the problems we are able to solve, we believe that no new problem is too tough for us to solve.

Very often – that's true
Other times…

It takes a LOT longer, and involves a lot more error-removal than expected (see Fact 31: "Error removal is the most time consuming phase of the life cycle")

## Glass's "Evidence based research":

International conference on Software Engineering, Tokyo, 1987:

Jerry Weinberg asked an audience of 1,500:

"Has anyone participated in a feasibility study where the answer came back "NO"?"

There was complete silence.

# In biology: anything is possible!

Taking multiple choice exams in biology 101:

How many times has the answer: "this is impossible" been the correct one?

# NEVER!!!

# It always takes longer than expected!

Small scale – proof of concept experiments: almost always work –and fast.

When you then delve into the large scale experiment :

    You realize all the faults!

    And it takes a LOT longer