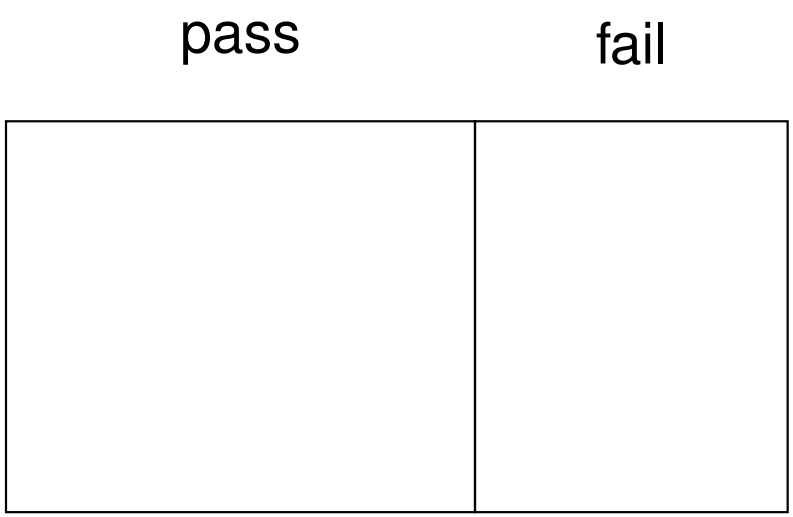
Causal Decision Theory

Rachael Briggs

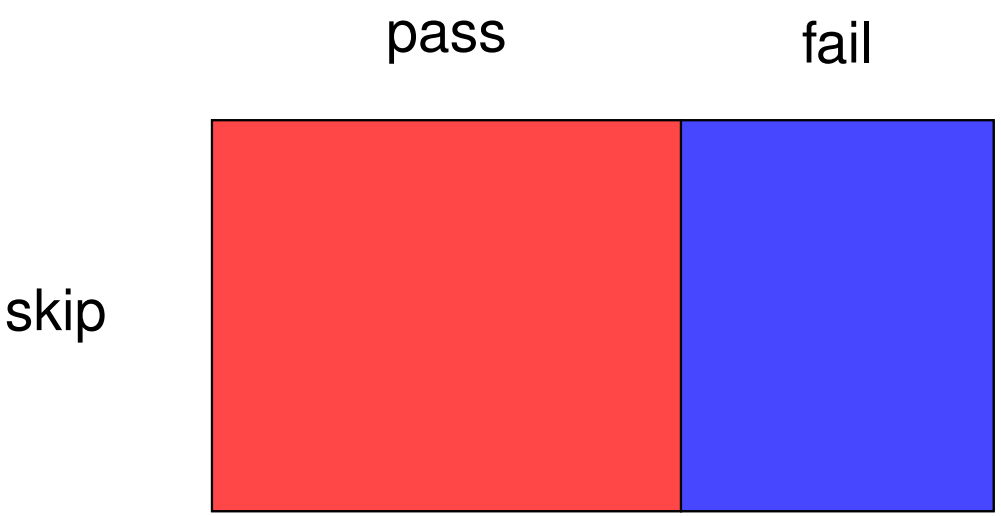
The Australian National University
Griffith University

July 31, 2014

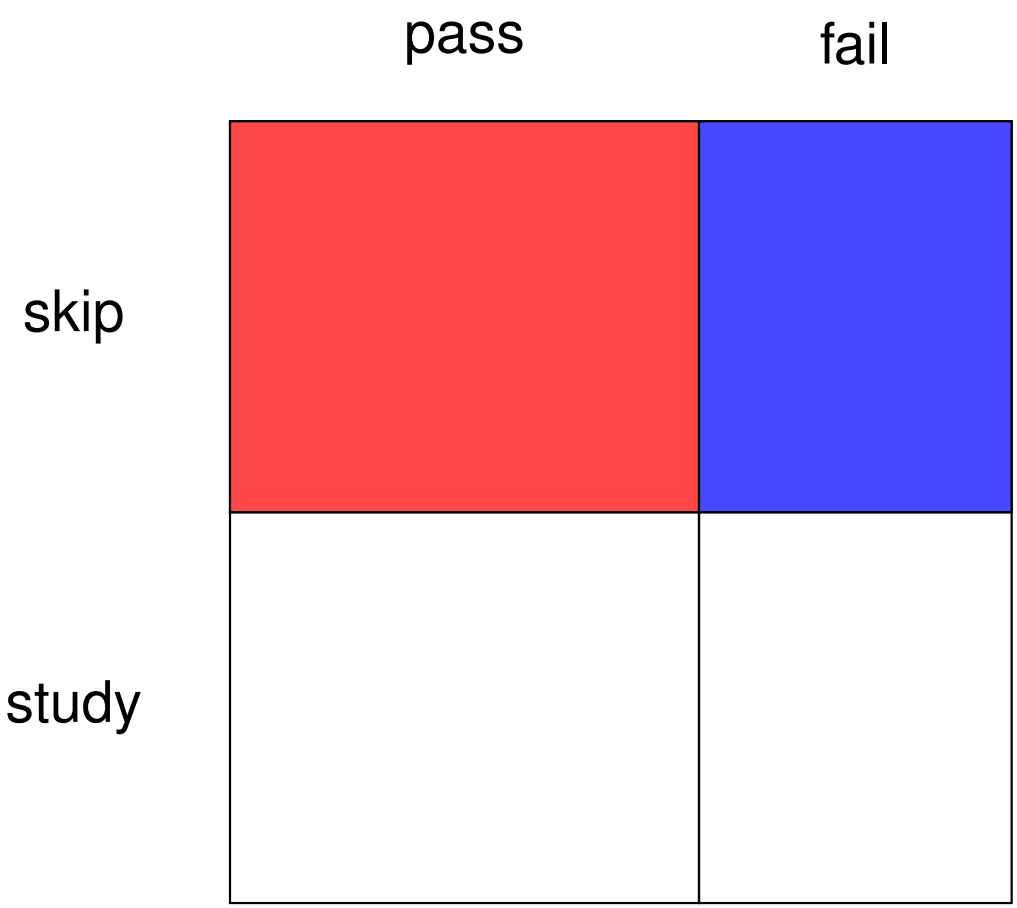
Savage's Treatment of the Fatalist Example



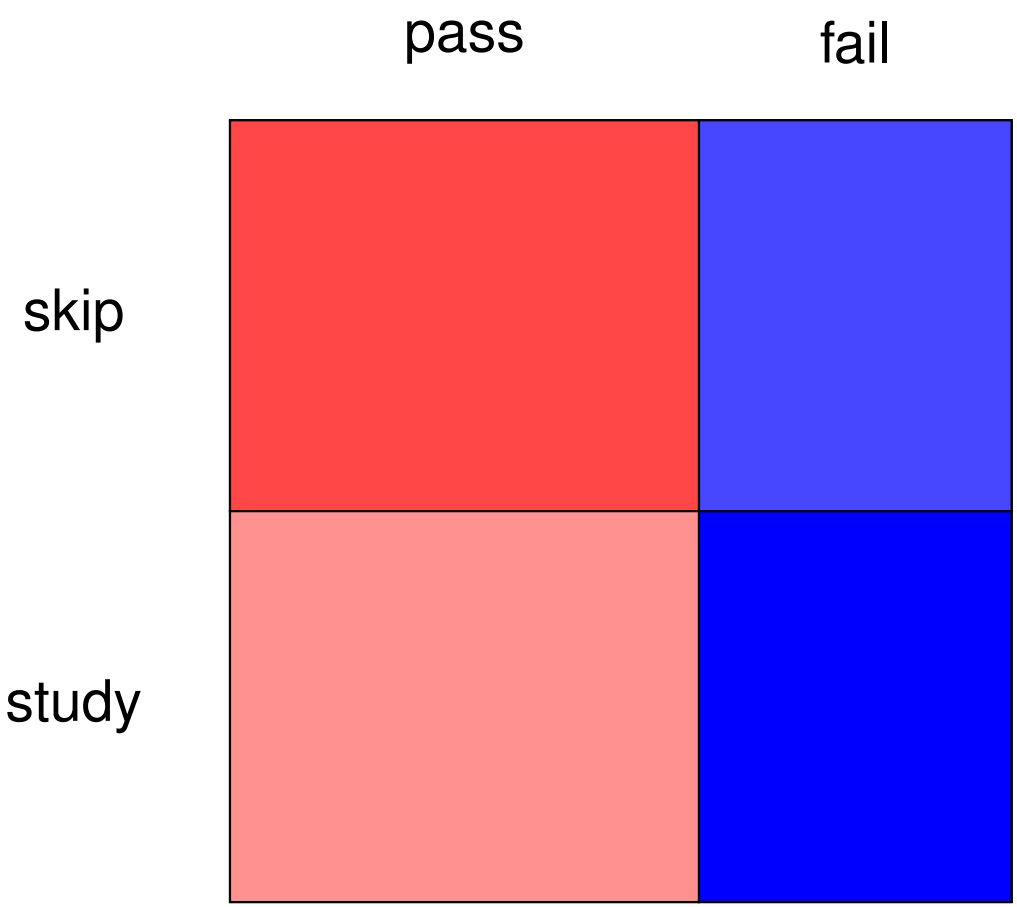
Savage's Treatment of the Fatalist Example



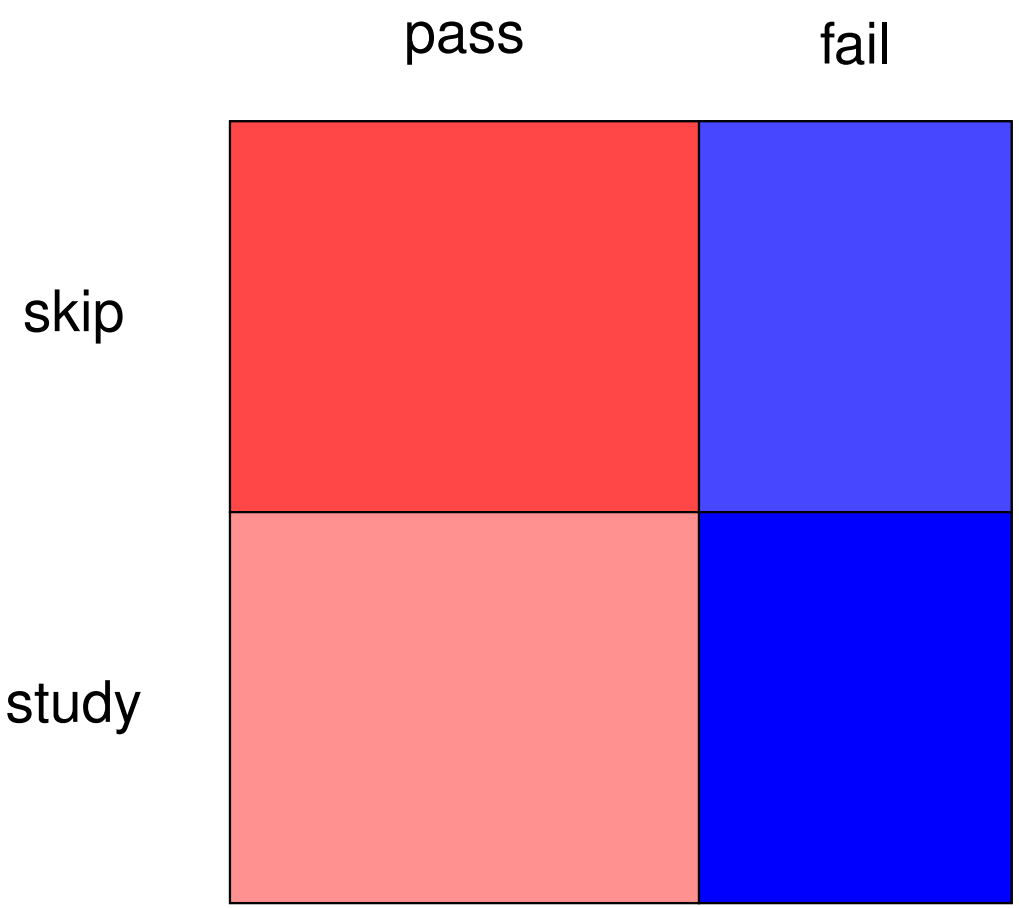
Savage's Treatment of the Fatalist Example



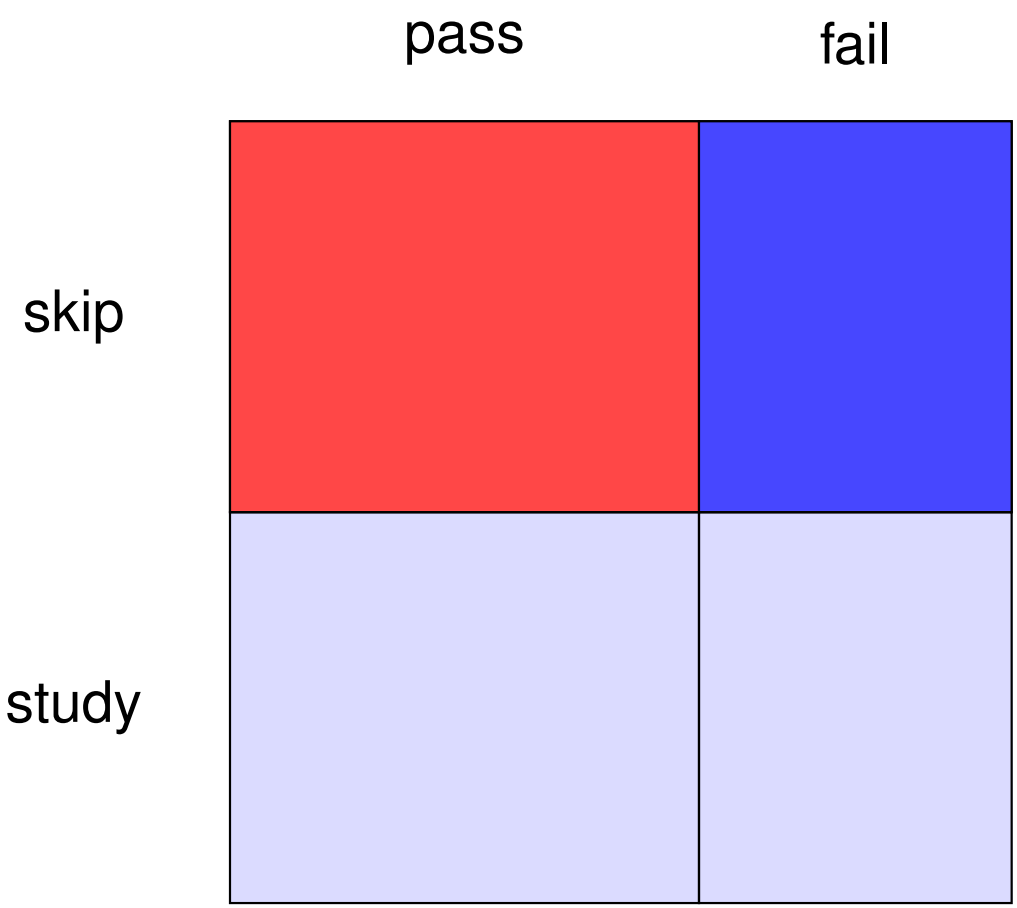
Savage's Treatment of the Fatalist Example



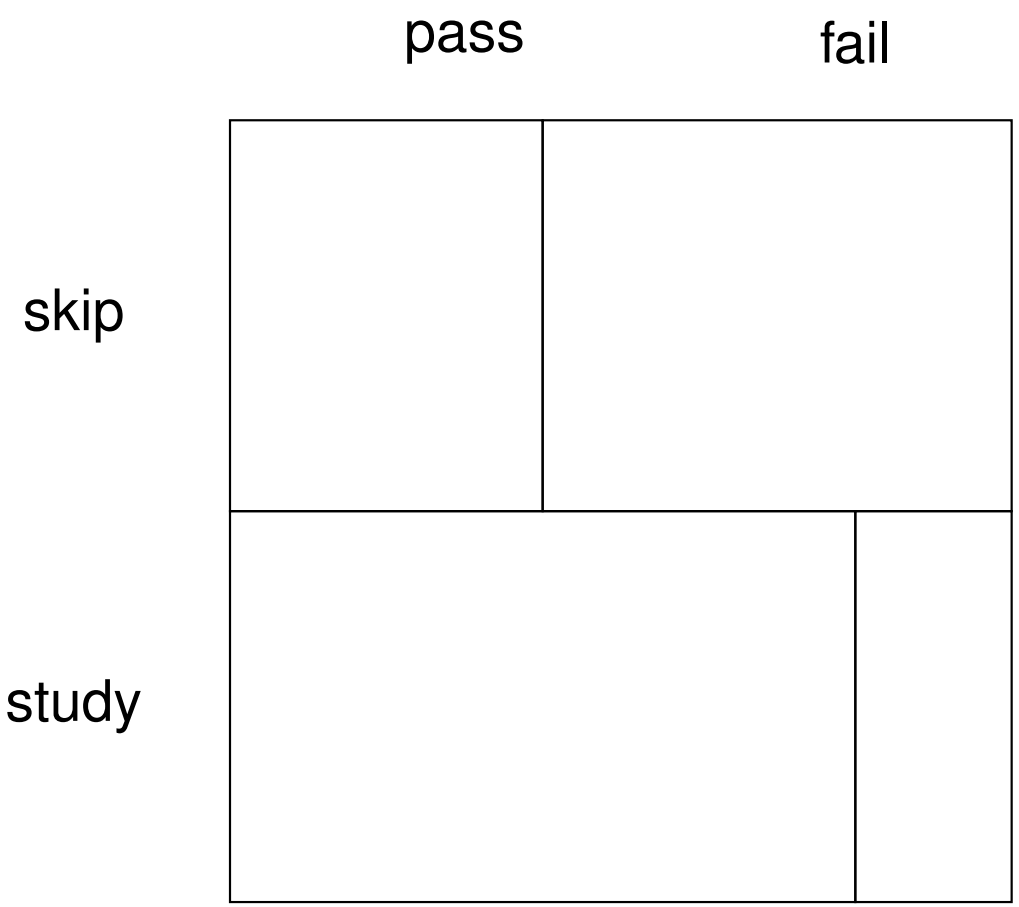
Savage's Treatment of the Fatalist Example



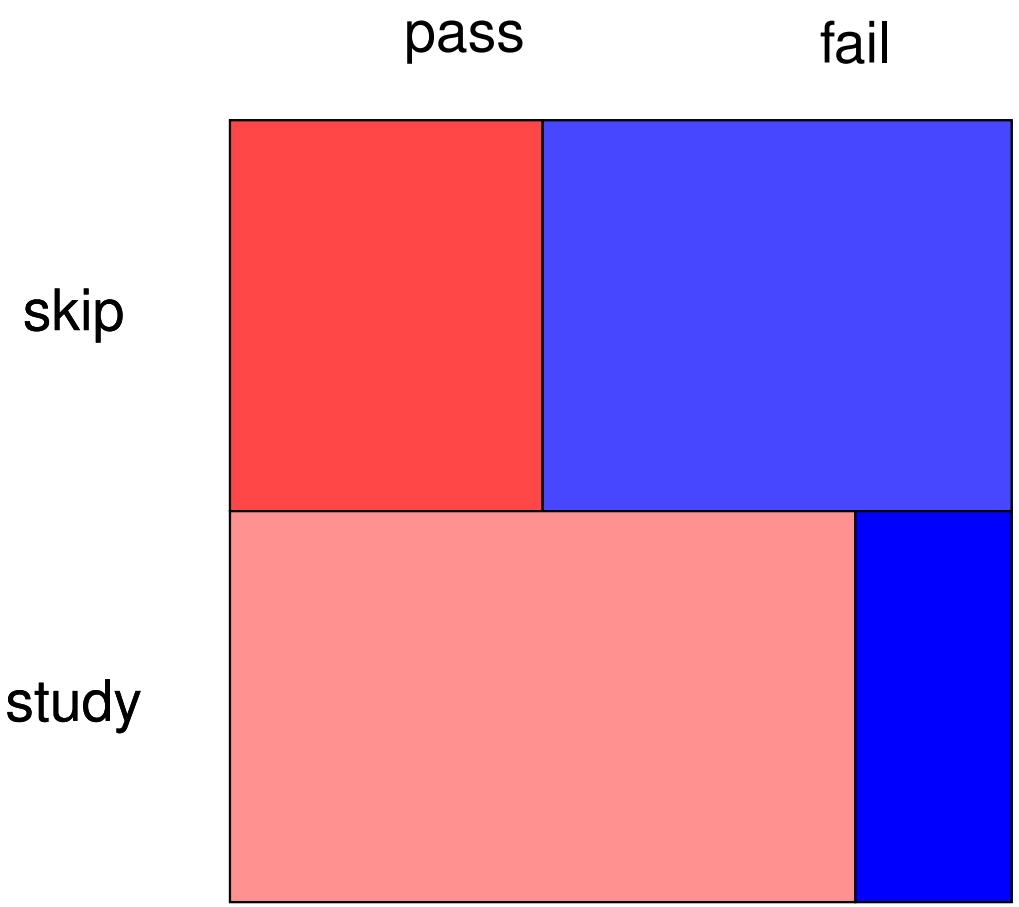
Savage's Treatment of the Fatalist Example



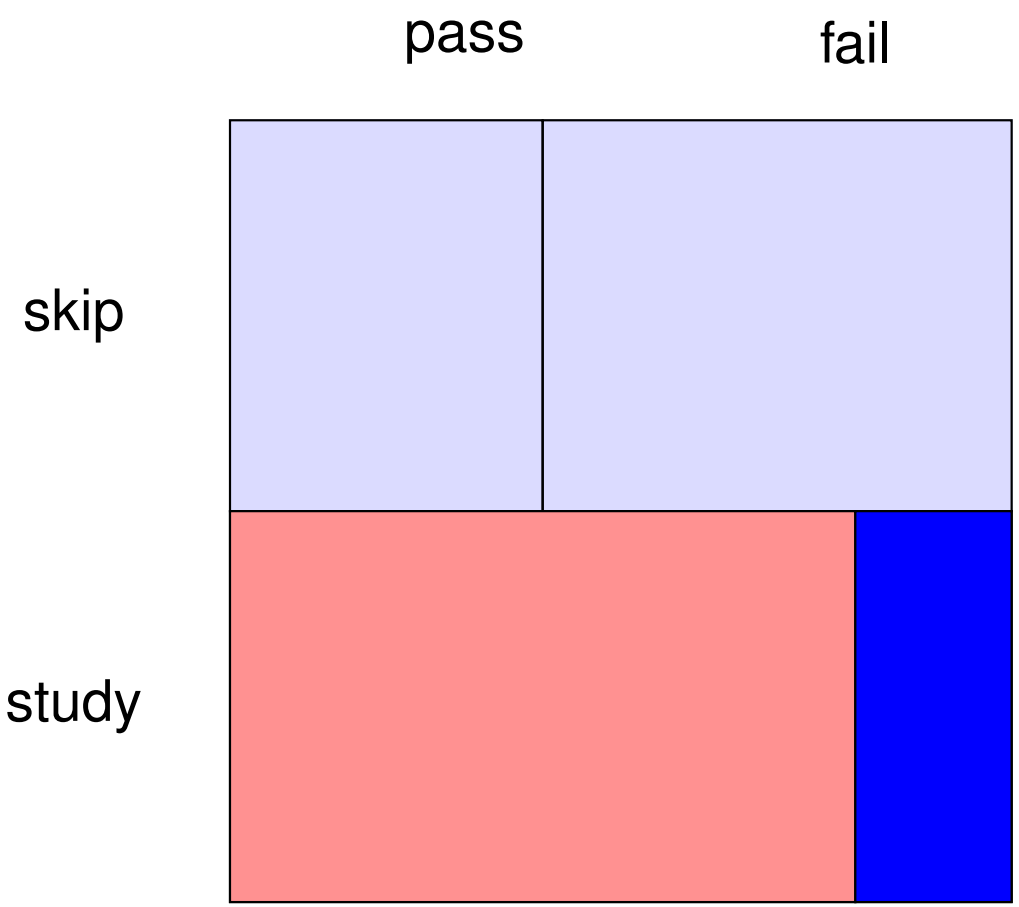
Jeffrey's Treatment of the Fatalist Example



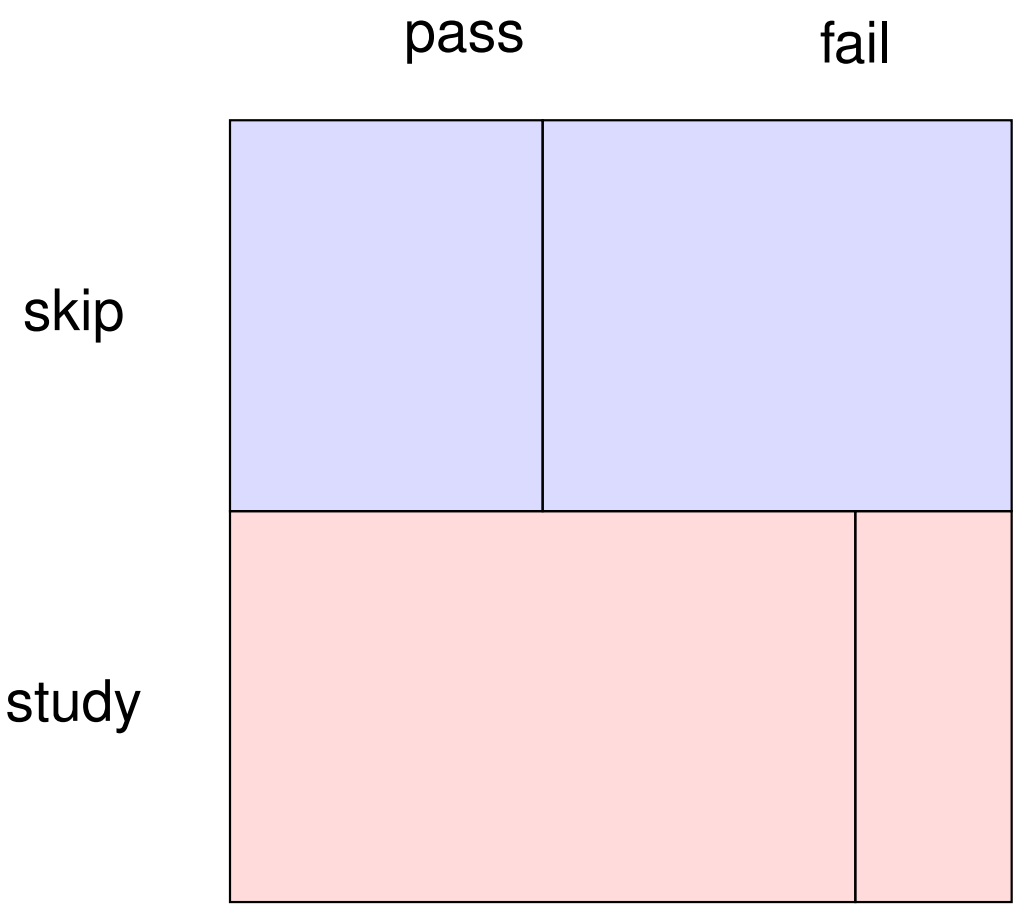
Jeffrey's Treatment of the Fatalist Example



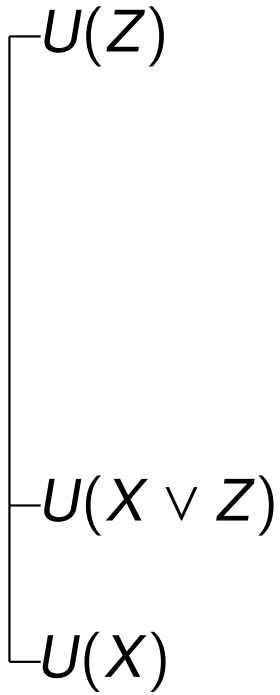
Jeffrey's Treatment of the Fatalist Example

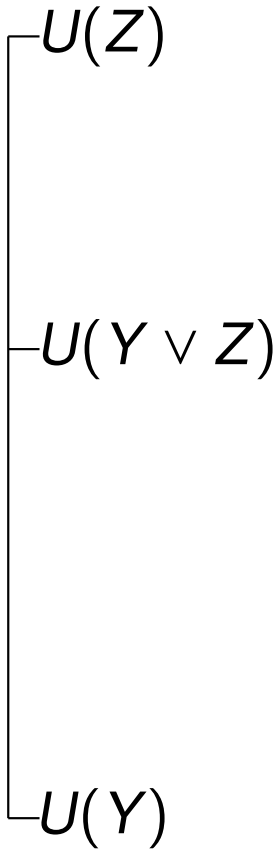


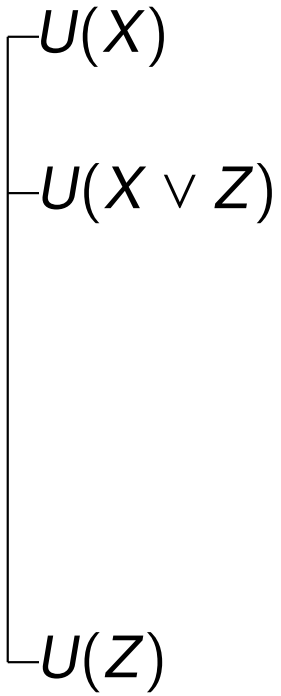
Jeffrey's Treatment of the Fatalist Example



How Utility Constrains Probability

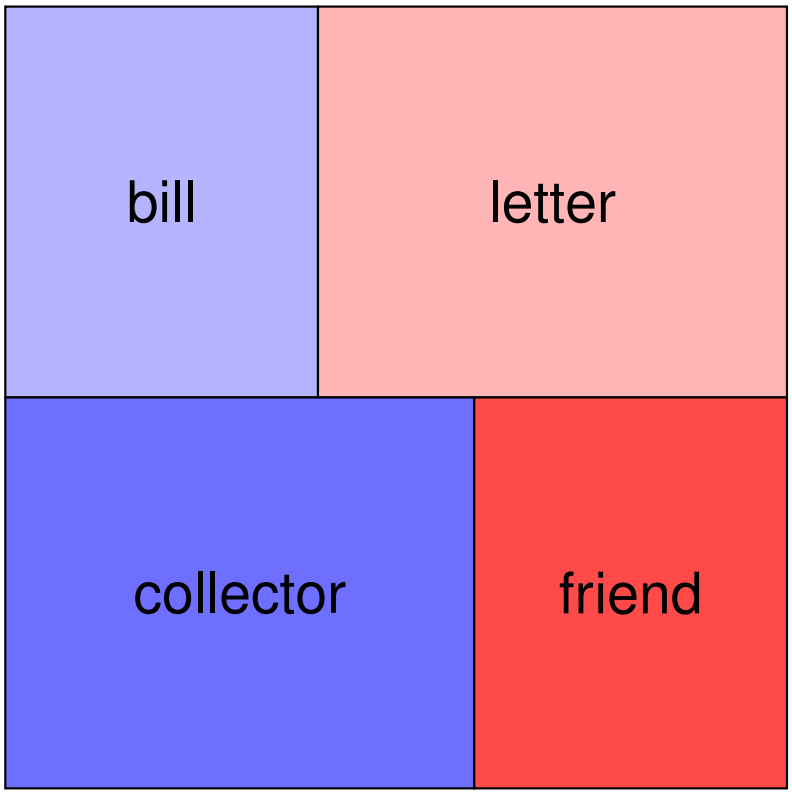




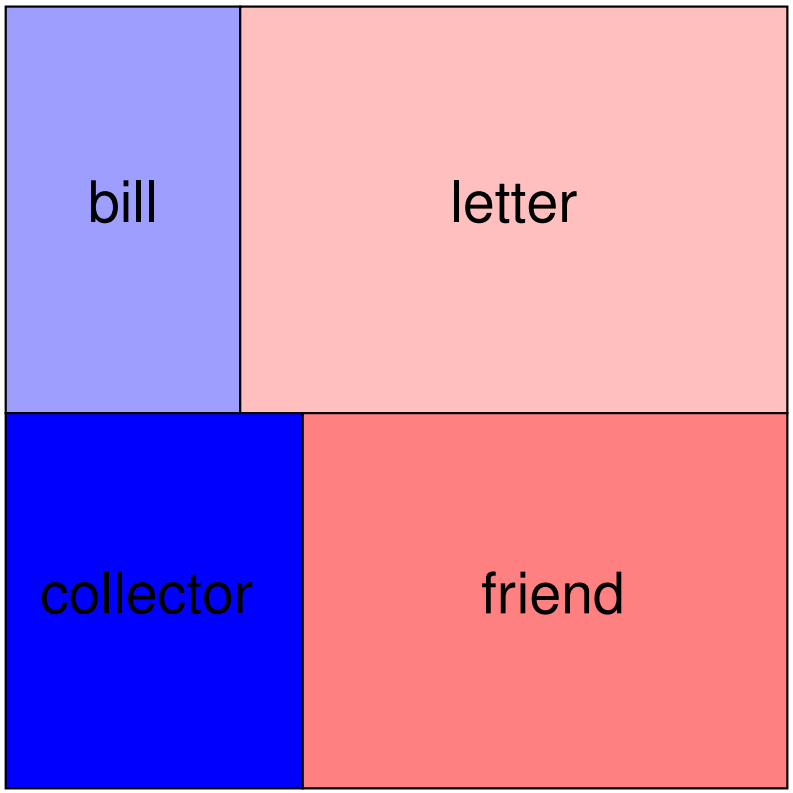


The Mysterious Case of the Noise at the Door

Option 1

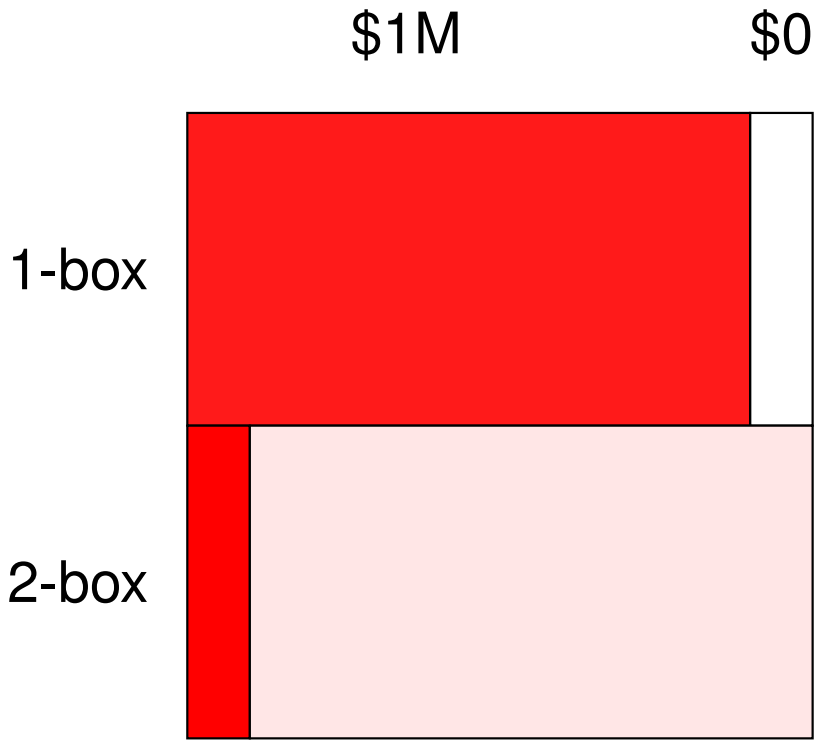


Option 2

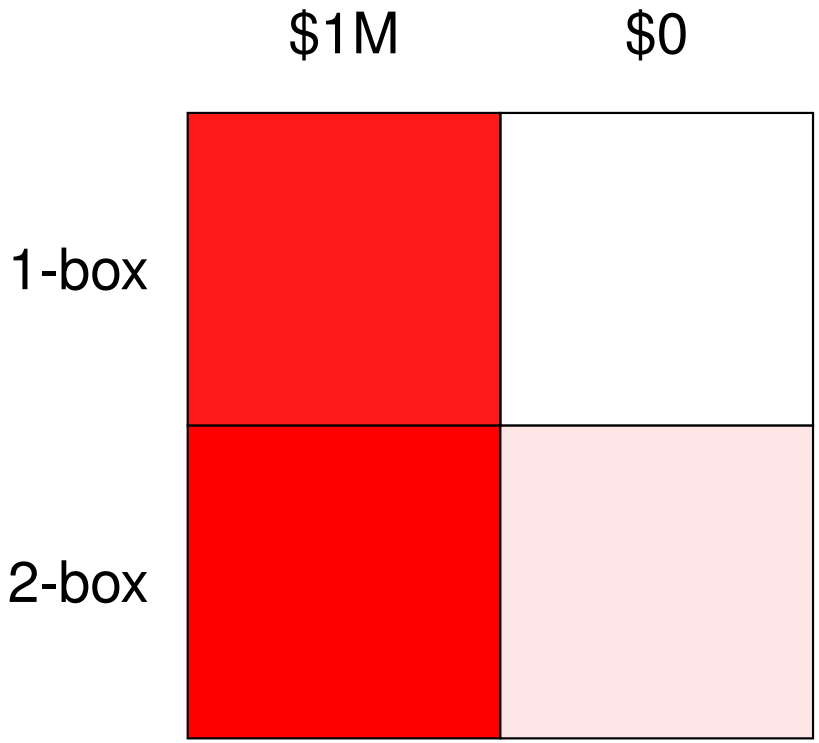


The Newcomb Problem

Jeffrey

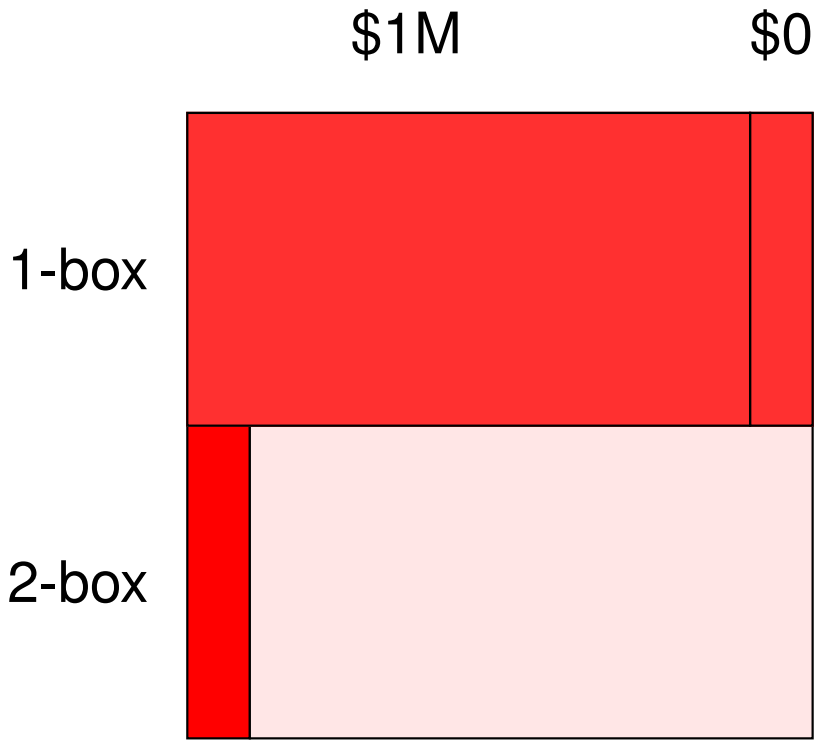


Savage

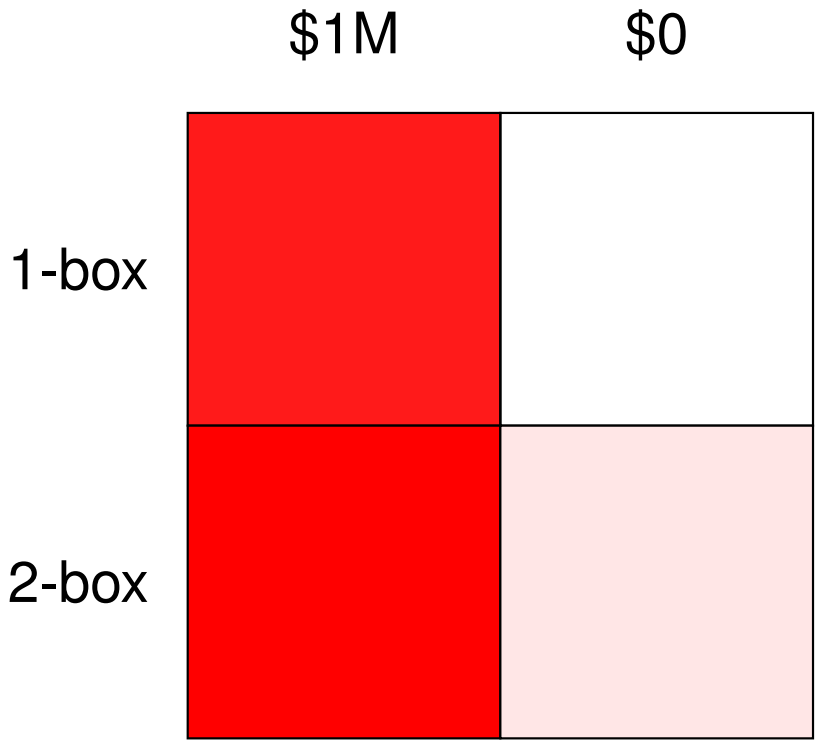


The Newcomb Problem

Jeffrey

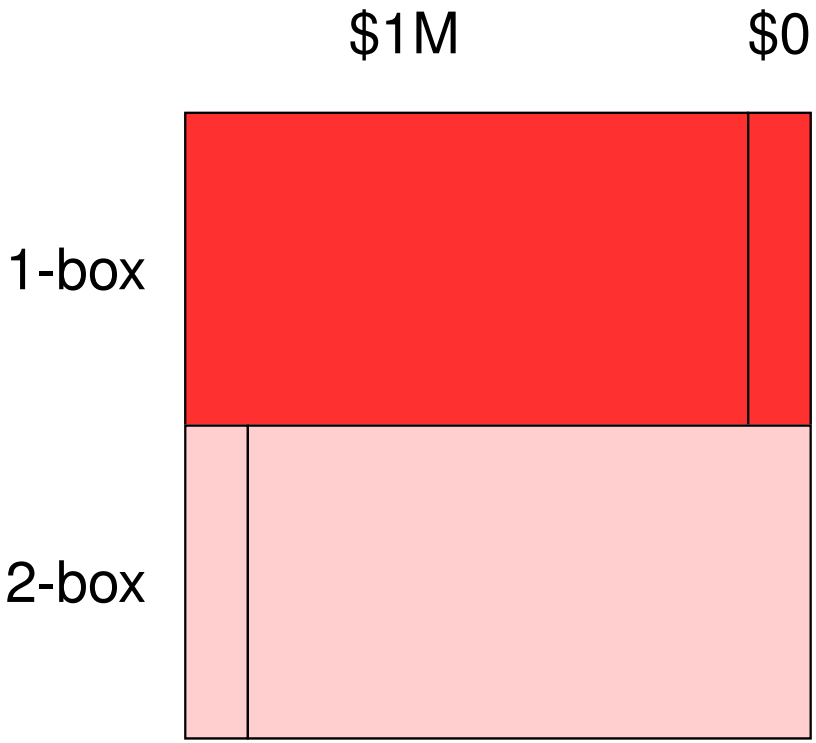


Savage

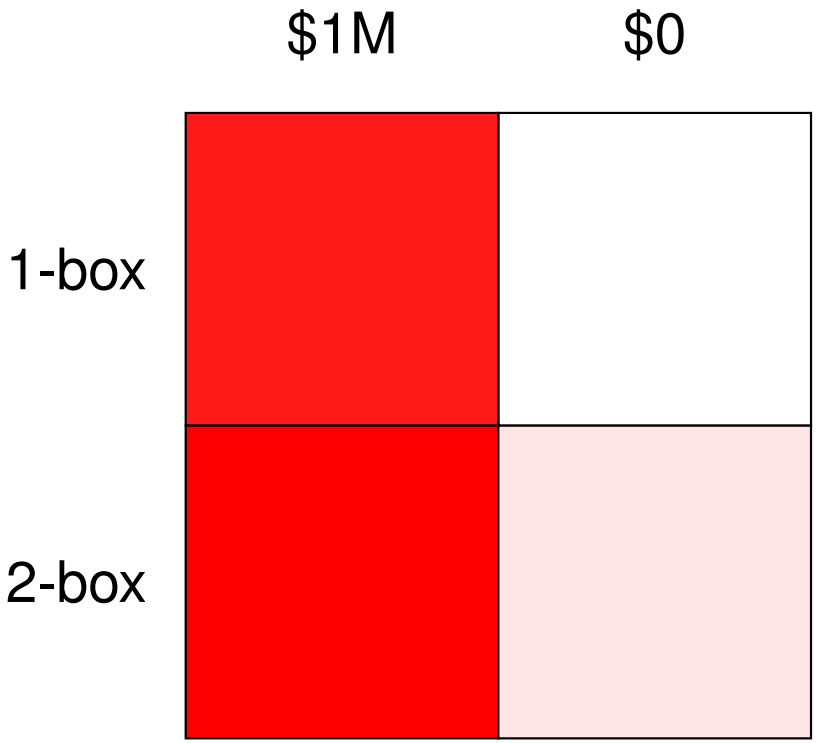


The Newcomb Problem

Jeffrey

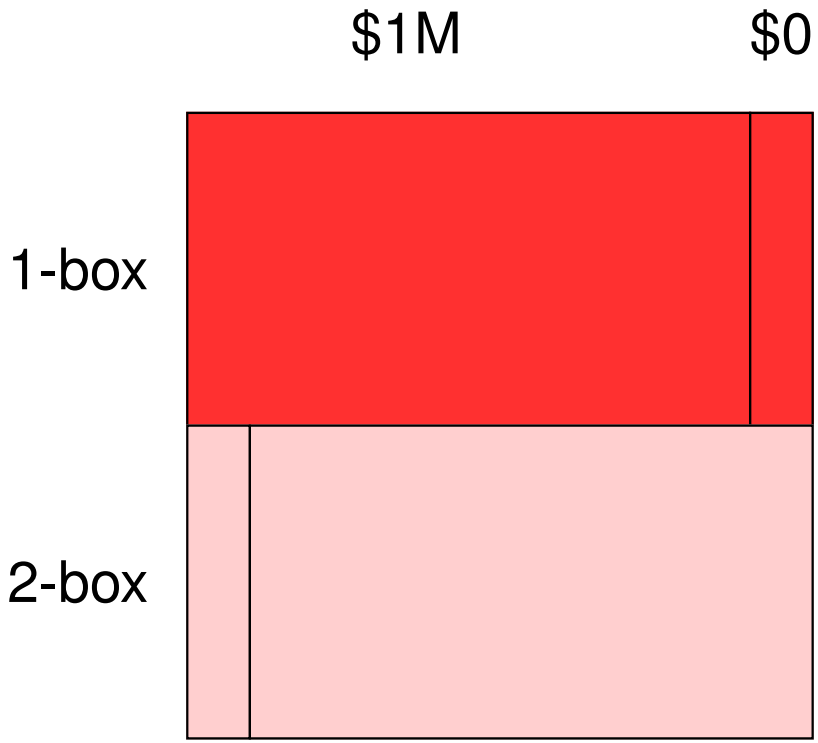


Savage

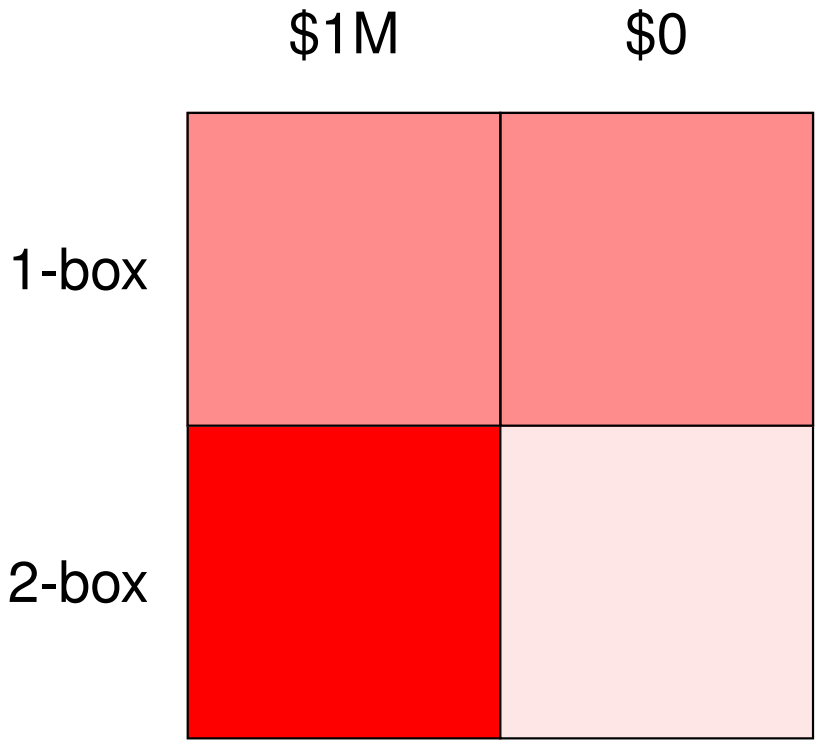


The Newcomb Problem

Jeffrey

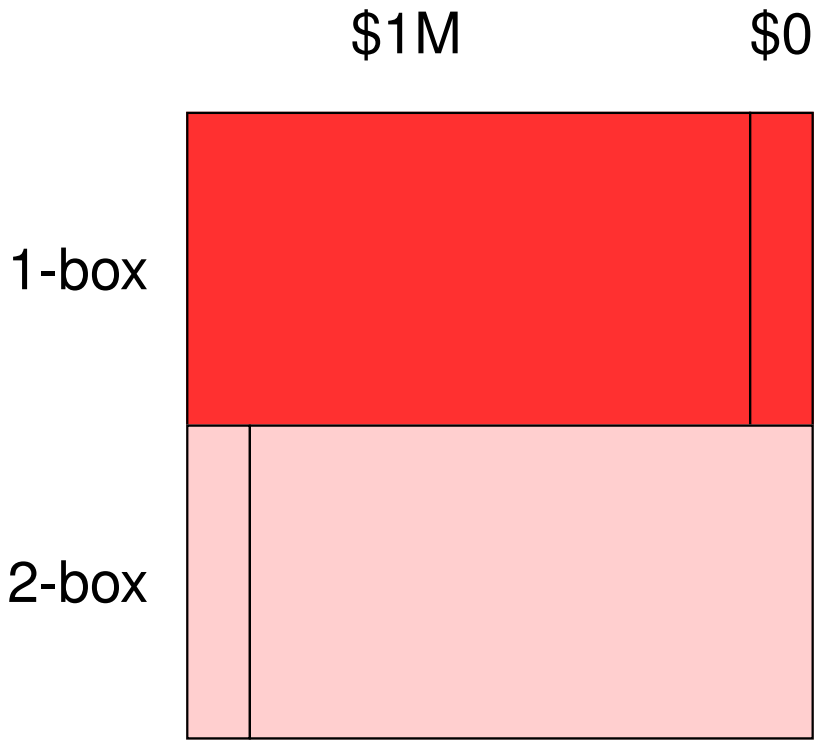


Savage

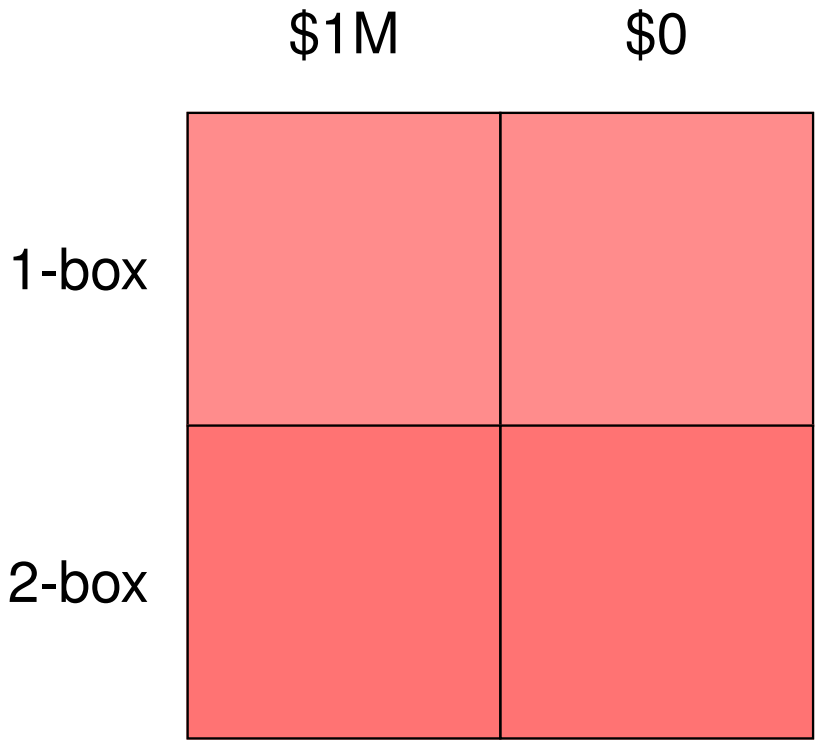


The Newcomb Problem

Jeffrey

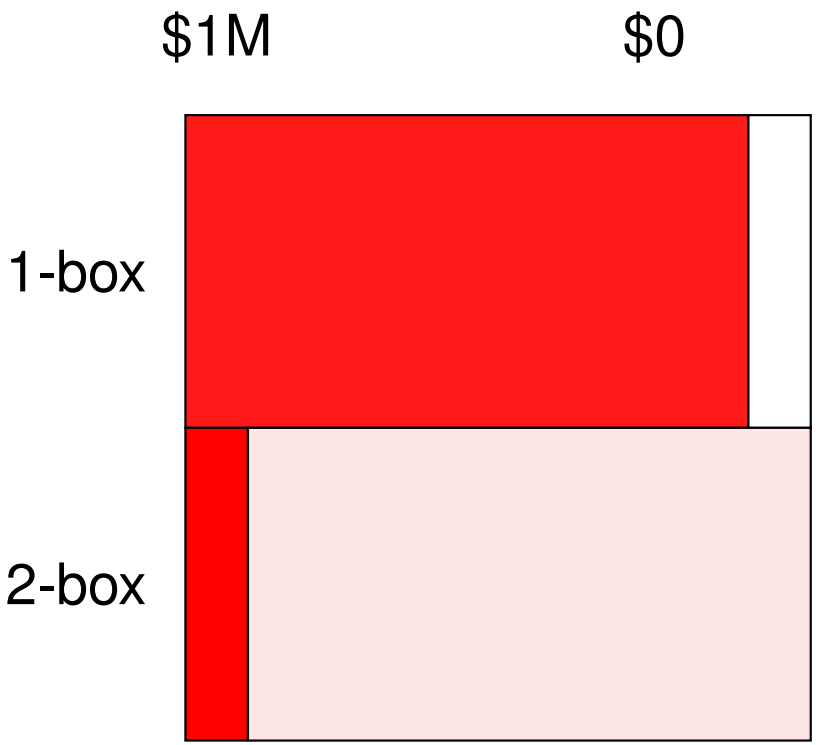


Savage



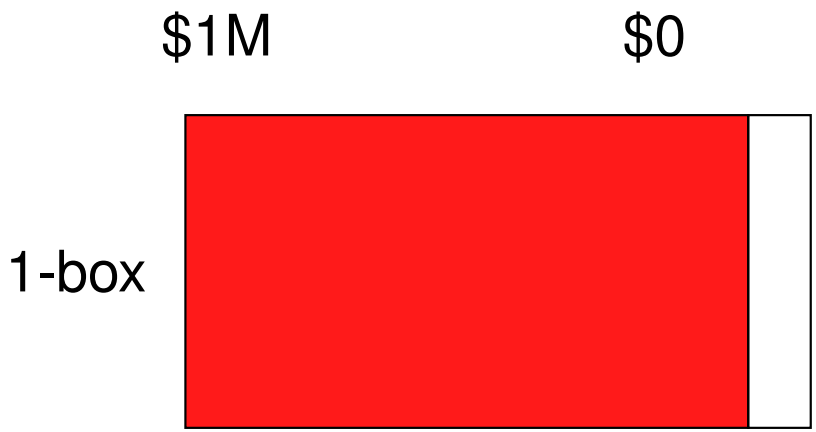
Conditionalizing

The Newcomb Problem Again: What happens if I one-box?



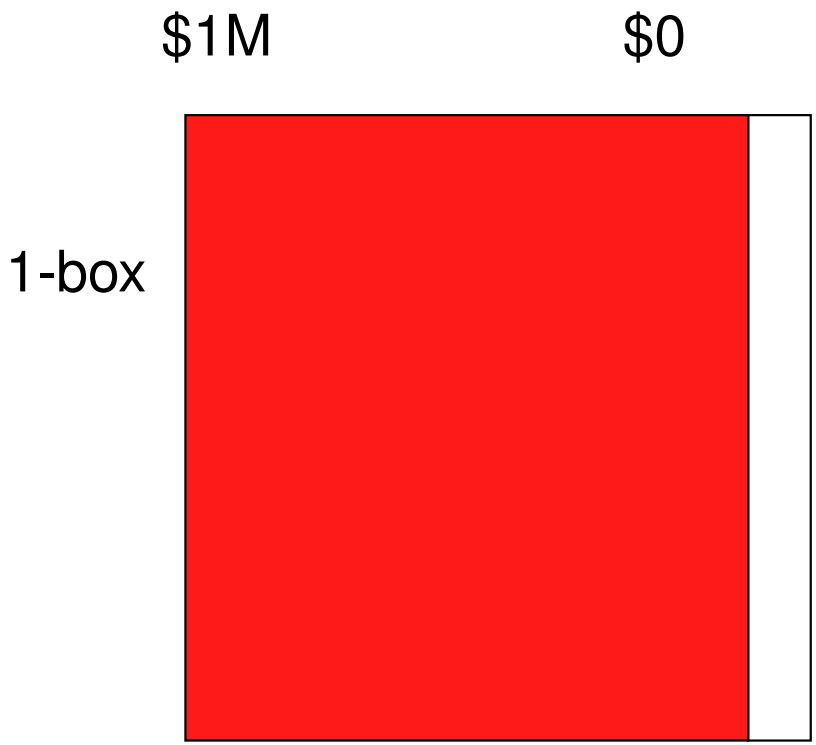
Conditionalizing

The Newcomb Problem Again: What happens if I one-box?



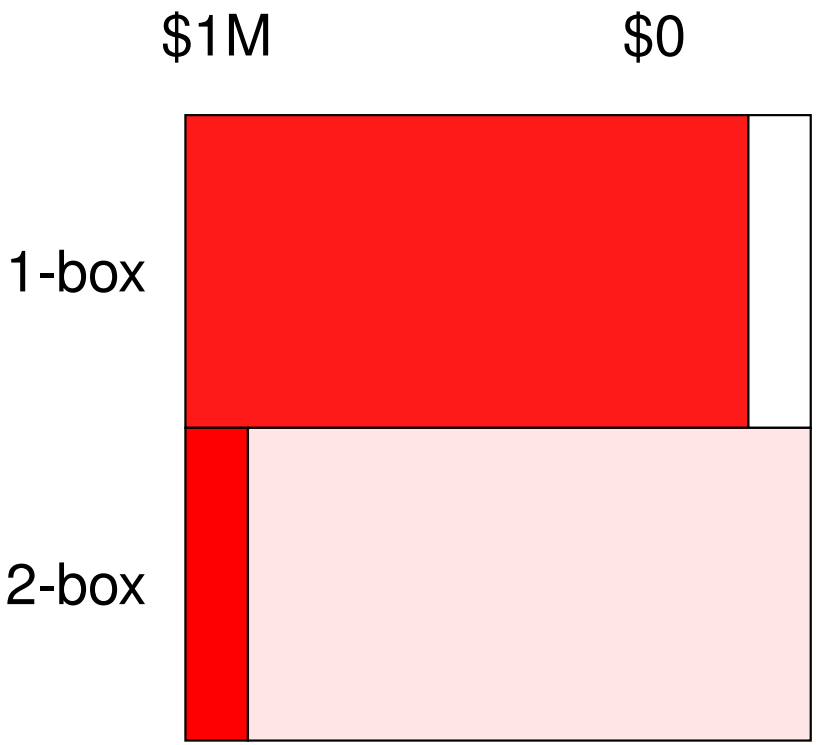
Conditionalizing

The Newcomb Problem Again: What happens if I one-box?



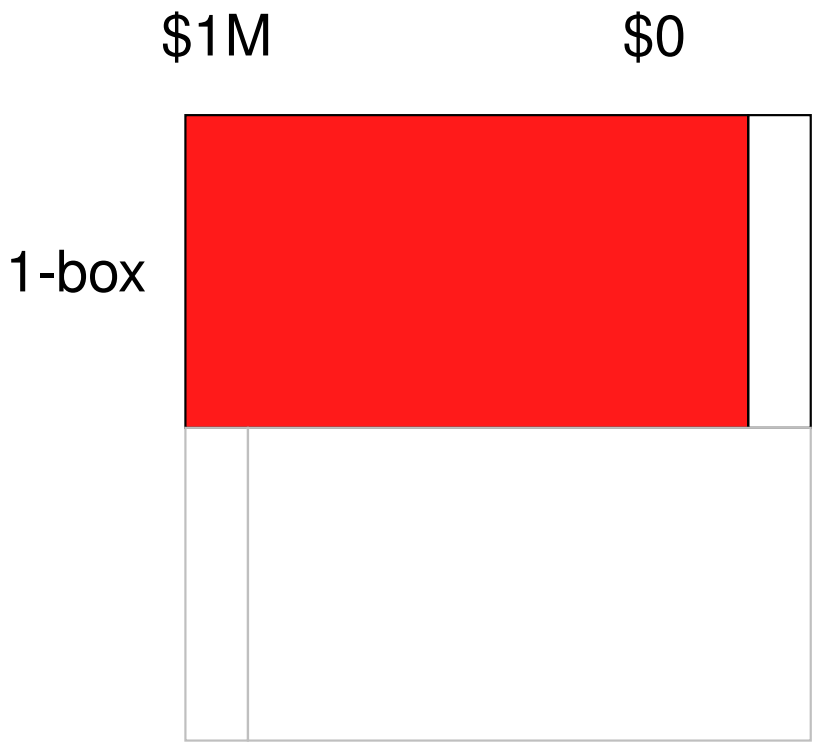
Imaging

The Newcomb Problem Again: What happens if I one-box?



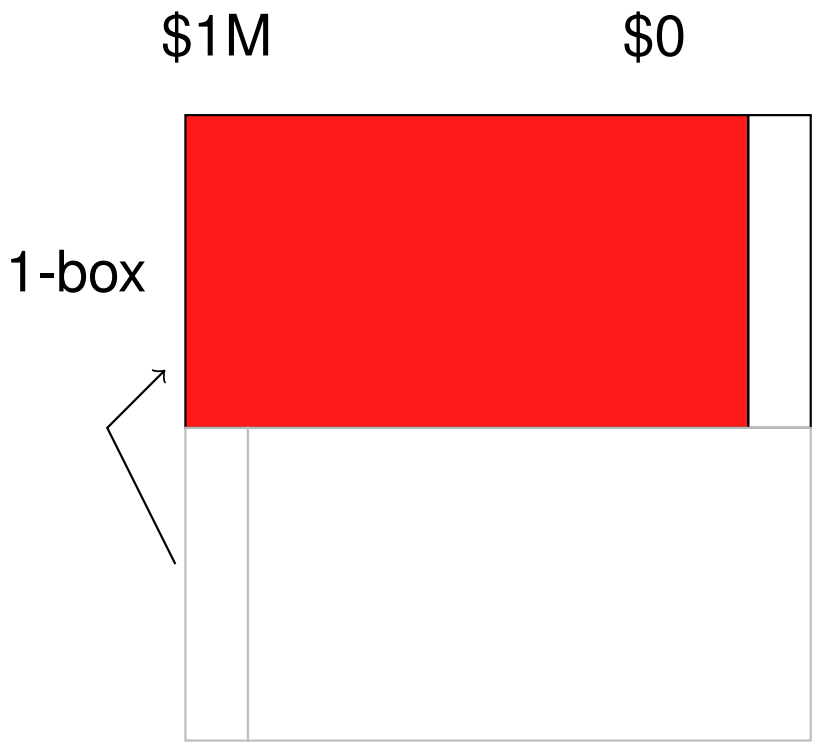
Imaging

The Newcomb Problem Again: What happens if I one-box?



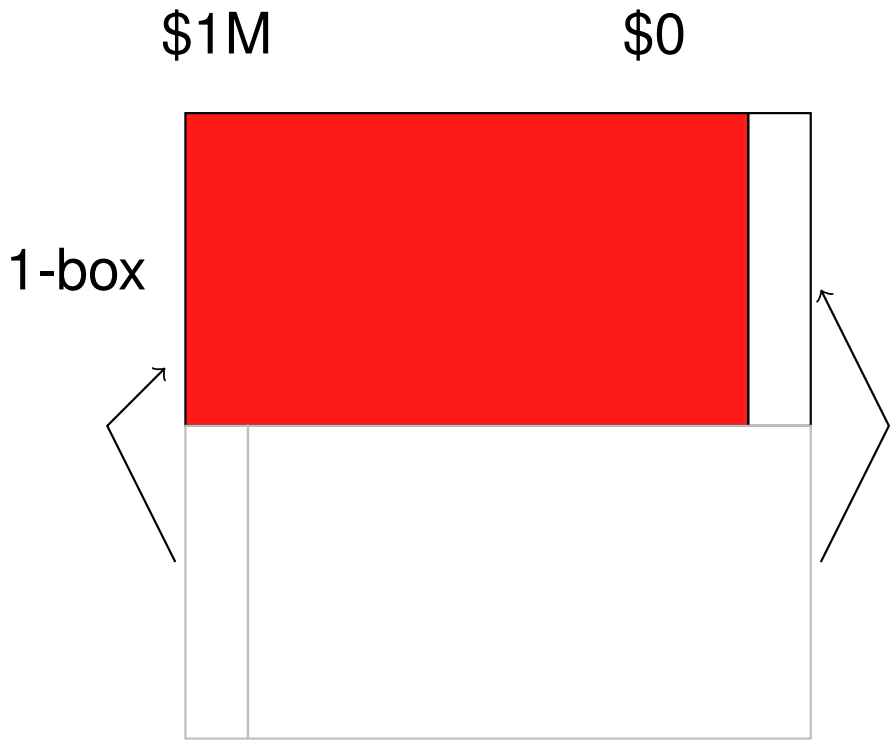
Imaging

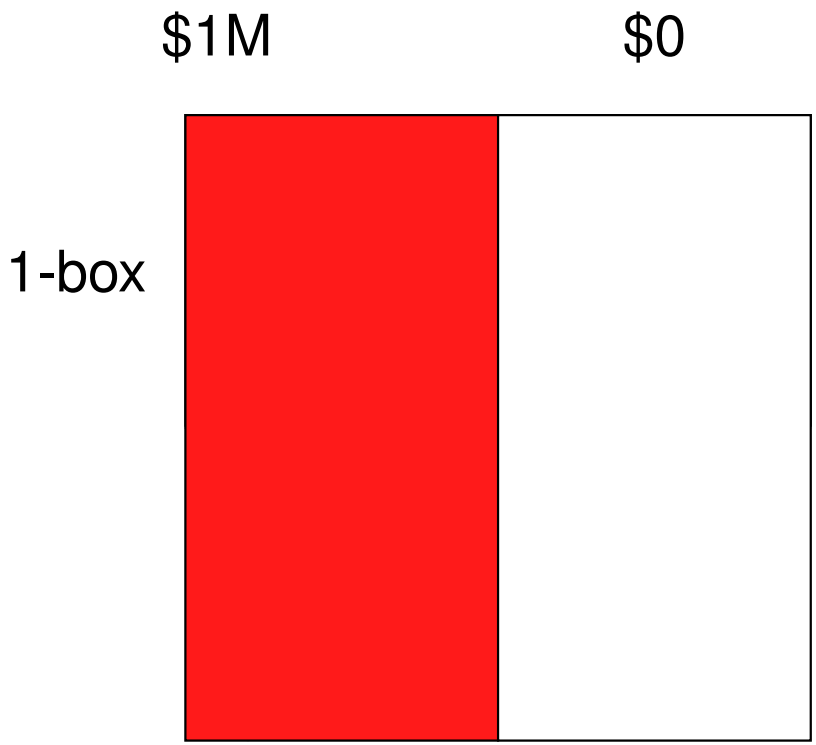
The Newcomb Problem Again: What happens if I one-box?



Imaging

The Newcomb Problem Again: What happens if I one-box?



Imaging

The Newcomb Problem Again: What happens if I one-box?