

UNIVERSITY OF TEXAS AT AUSTIN

Problem Set 3

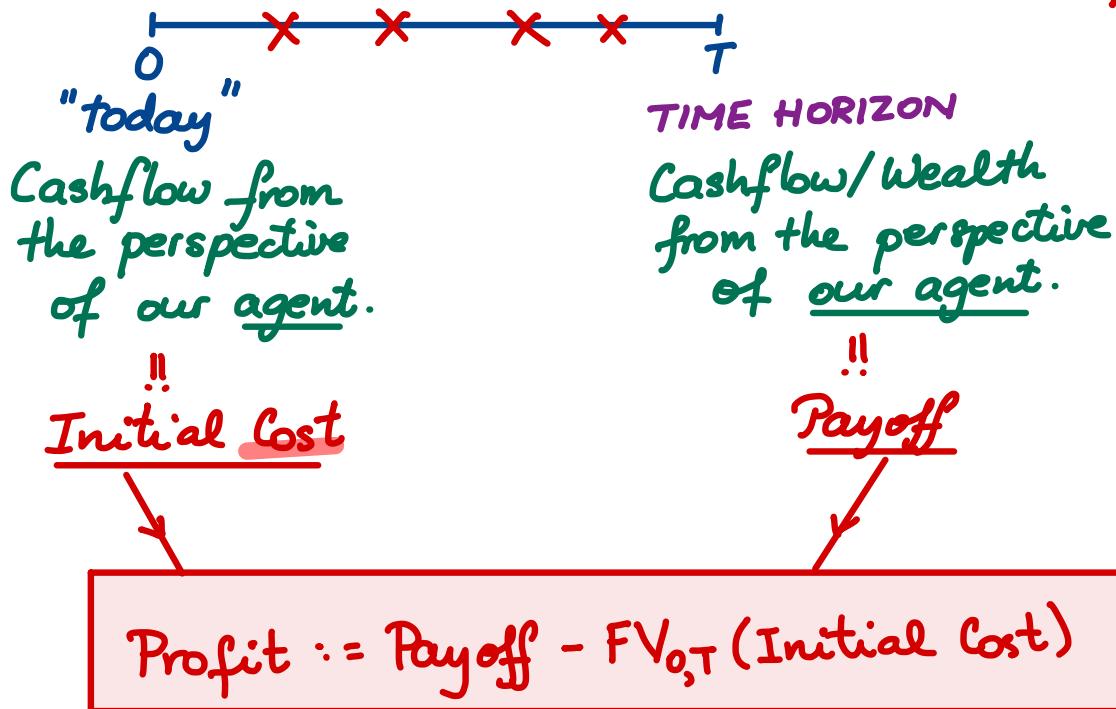
Payoff. Profit.

3.1. **Static** portfolios.

Step #1. Remember the **bottom-line approach** from *theory of interest*. Decide who your protagonist is!

Step #2. Set up the **timeline** (on paper or mentally):

Static, i.e., no intermediate cashflows.

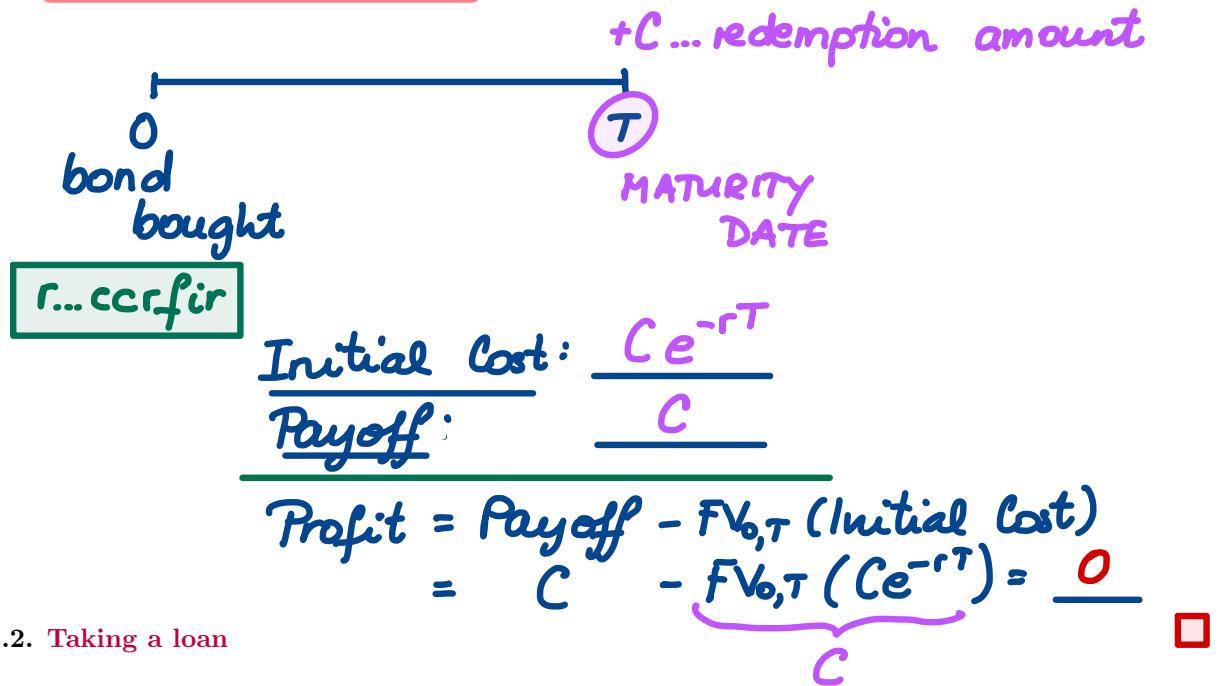


This is how we will talk about **profit**:

- If **Profit** > 0, then we call it a **gain**.
- If **Profit** < 0, then we call it a **loss**.
- If **Profit** = 0, then we say that we **break even**.

3.2. Riskless assets.

Example 3.1. Investing in a zero-coupon bond



Example 3.2. Taking a loan