

CPI = 200CPI = 2102024 → 2025

210 - 200 Inflation = $---- \times 100 = 5\%$ 200

Suppose that in 2024 you lend \$10,000 (one full basket) at zero interest to be repaid in 2025

Loan = 10,000

The borrower returns = 10,000





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5% inflation means that the
basket in 2025 costs 5% more:
$10,000(1.05) = $10,500
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$10,000 does not buy a full
    basket. It only buys:
(10,000/10,500)x100 \sim 95\%
```

of the basket ...

The borrower returns less than what s/he borrowed



Lenders must protect from inflation by charging interest

95% of the basket

CPI = 200

2024

Inflation =
$$\frac{210 - 200}{200} \times 100 = 5\%$$

Lenders must protect from inflation by charging interest



