





Why do FRAs settle at the beginning of the period?



Trade is shortened, reducing credit risk





FRA buyer **receives payment upfront**, rather than waiting 6 months and taking on **counterparty risk** 



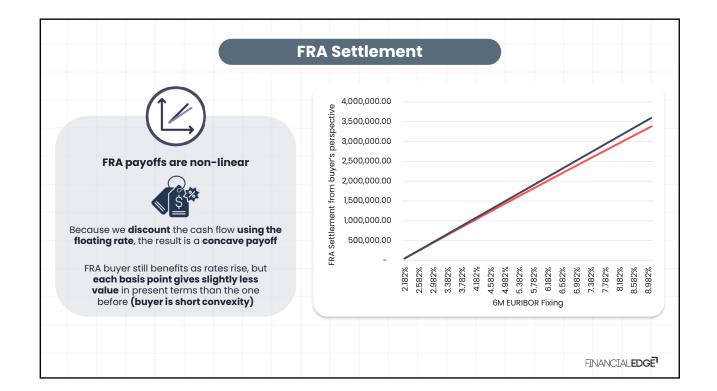
FRA payoffs are non-linear



Because we **discount** the cash flow **using the floating rate**, the result is a **concave payoff** 

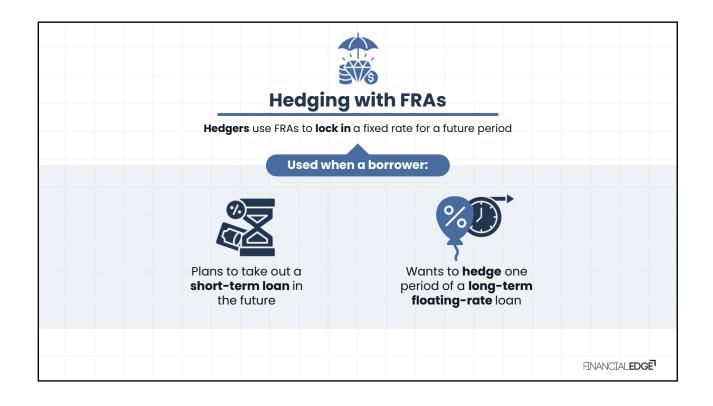
FRA buyer still benefits as rates rise, but each basis point gives slightly less value in present terms than the one before (buyer is short convexity)

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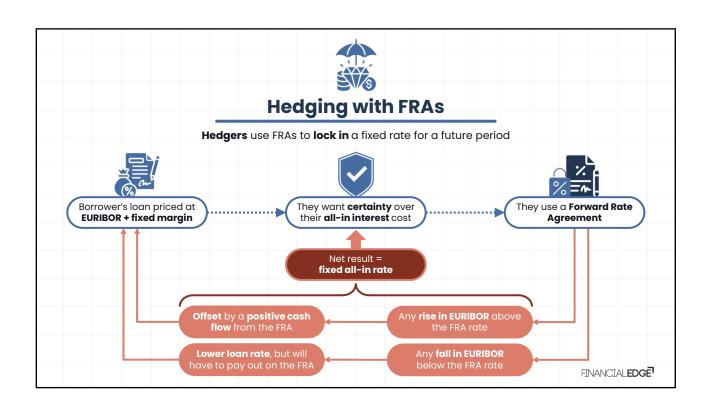


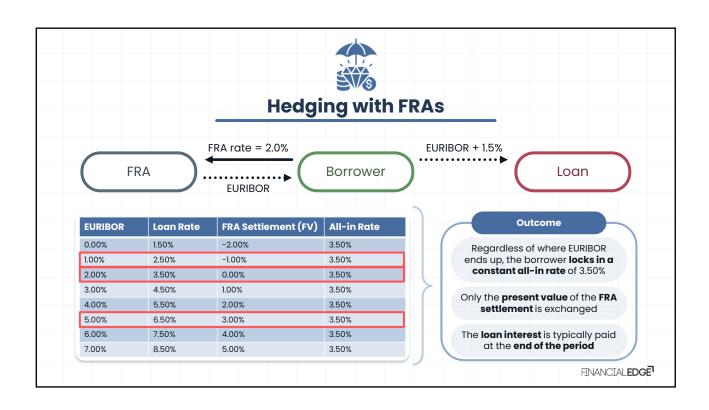




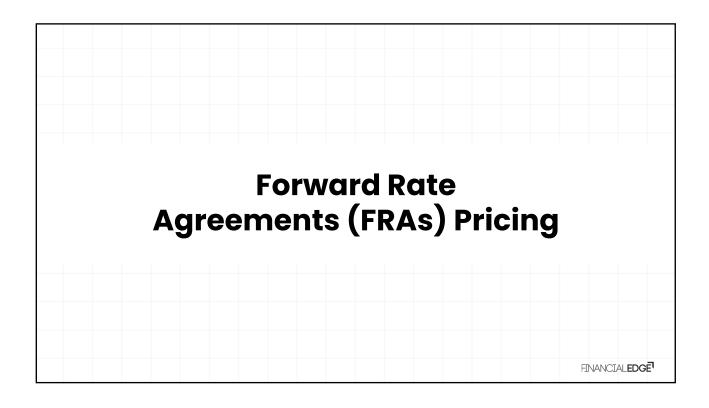


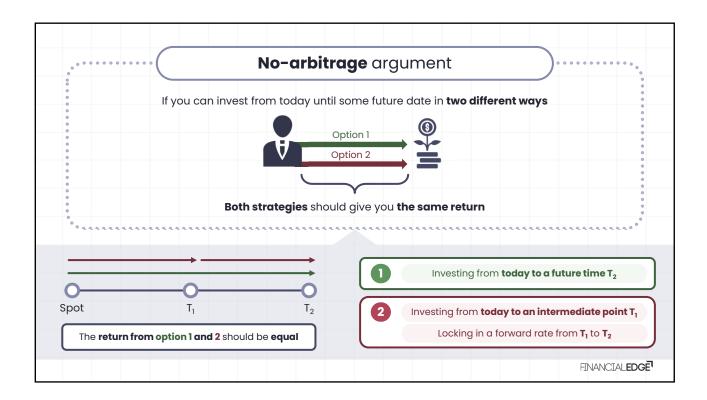




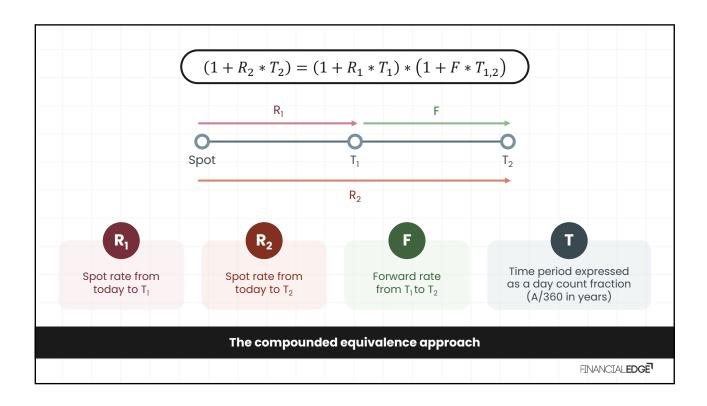


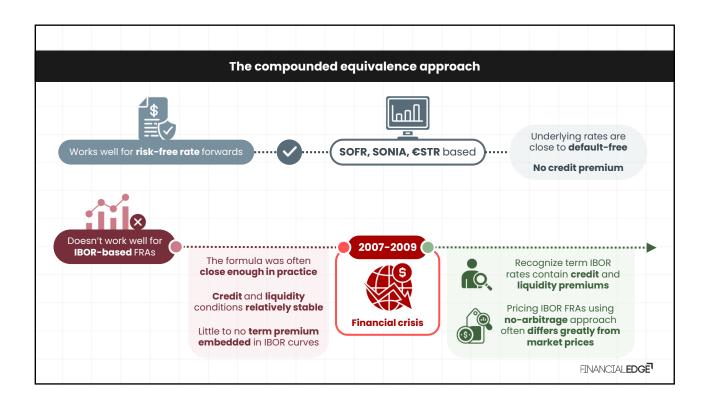














$$(1+R_2*T_2) = (1+R_1*T_1)*(1+F*T_{1,2})$$
The compounded equivalence approach

Market pricing

(especially for IBOR-based instruments)

Supply and demand Funding pressures

Credit risk

