

Hedging a bankers' acceptance (BA) position

Situation

On March 5, an investor has \$50,000,000 of 1-month bankers' acceptances (BAs) as a position. He wants to hedge his position against a possible interest rate increase until a buyer comes along.

Objective

To hedge a BAs position against a possible increase in rates.

Strategy

MARKET CONDITIONS ON MARCH 5:

March 30-day overnight repo rate futures price	97.50
March 30-day overnight repo futures rate	2.50%
Average dealer repo rate	2.39%

Anticipating that the non-farm payroll of March 8 could drive-up overnight rates, the dealer sells 30-day overnight repo rate futures to hedge the position.

Hedge ratio = (number of days/30) x (amount hedged/contract size)

= (30/30) x (\$50,000,000/\$5,000,000)

= 10 contracts

The BAs discount rate is 2.57%, to a principal of \$49,894,606.

Results

MARKET CONDITIONS ON MARCH 22:

30-day overnight repo rate futures price	97-45	
Average repo rate for the period	2.47%	
Tick value	\$5,000,000 x (30/365) x 0.001	\$41.10
Repo financing expense	\$49,894,606 x 0.0247 x (17/365)	\$57,399.30
•	no contracts x 5 basis point x \$41.10 per basis point	\$2,055.00
Net interest expense	\$57,399.30 - \$2,055	\$55,344.30
Effective cost of funds	(\$55,344.30/\$49,894,606) x (365/17)	2.38%

The financing cost for the period from March 5 to March 22 was reduced from 2.47% to 2.38%. This is 9 basis points below the daily repo rate and allowed the investor to neutralize mark-to-market losses.

