Key for Spring 2013: Problem 1 from Final A for 2:30 Class

Assume capital markets are perfect and that Gnusmas and Elppa have identical assets. Gnusmas' outstanding equity has a market value of \$100 million and has debt that matures for \$200 million seven years from today. These bonds earn an interest rate of 8% per year. Eppla has no debt and its equity has a market value of \$200 million. What set of transactions will generate an arbitrage profit today? Show that the conditions of arbitrage are met if the firm's value ends up at \$175 or \$250 million seven years from today. Note: calculations required.