Assume that you can buy or sell (or short-sell) any of the following securities:

Risk-free bonds: bonds that mature one year from today earn 3% per year and bonds that mature two years from today earn 5% per year.

Risky securities:

			Payoff one year from today if the economy is:		Payoff two years from today if the economy is:	
	Prices Today:					
Security	Bid	<u>Ask</u>	Strong	<u>Weak</u>	Strong	<u>Weak</u>
Private Dell	\$203	\$207	\$100	\$50	\$200	\$100
MS Machine	\$183	\$186	\$0	\$0	\$300	\$100

Golden Fleece ETF: Golden Fleece ETF holds the following positions (per share): long 3 shares of Private Dell, short 1 share of MS Machine, short \$100 of risk-free bonds that mature one year from today, and long \$200 of risk-free bonds that mature two years from today. The bid price for this ETF is \$495 and the ask price for the ETF is \$500.

What set of transactions today will generate an arbitrage profit for you today. In your answer list all transactions required today and all individual and total cash flows today, a year from today, and two years from today. Use a "+" for an inflow of cash and a "-"for an outflow of cash. Note: I recommend setting up a table like is in the notes.

Payoft on ETF: 4r1:5=3(100)-100=200; w=3(50)-100=50 42:5-3(200)-300+200=500; W=3(100)-100+200=400 Cost & bonds: 1-4 = 100 = 97.09; 2-4 = 11.05)2 = 181.41 Cost to buy equil part = 3(207)-183-1897.09 + 181.41 = 522.32 Proceeds from selling equil = 3(203)-186 - 97.09 + 181.41 = 507.32

> Abstrage = buy ETF + short purt folio CFZ

Trans CFo 5 0 + 200 + 500 + 400

+3 Buy ETF - 500 + 700 - 150 - 150 + 100

+3 Buy MSM

12 100 + 100 + 100 73 Buy 1-W see - 97.09 +100