blem 1 , October 4, 2024 10:34 AM
Stock price: \$47
Strike: \$50
rfr : 64. annually
T: 1/12 years
option put: \$2,50
Lower bound:
P = Ke-rt - So = 50e-0,06:1/12 - 47 = 2,75
Since the actual price is less than the theoretical. It creates a subitrage operfunity,
Stratagy:
Borrow \$ 49,50 at rish free rate
1, Buy 1 Share for 47
2. Buy Eu option for 2,5
After 1 mouth the repaid and out is, $111,50. e^{0.06 \frac{1}{12}} = 19,75$
Sicensia 1: Stock price is greater
Assume stock price is \$51 = St, the option will expire ant you sell stock,
51-49,75=1,25

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	163	10501ts in \$1,20	Prolit		
	140	4 17 0	1.0.7		
	514460	Z: Stock	is less t	han	
	J C = p, (,)				
	- 5 ₊ = 4 {	8			
	- Thersice	c option to	by at B	TO	
	·		· / //		
	50 - 4	49, 75 = 0.25			