stromand price of I teleo Dt.:
Pot price hofit/los gpot price 1400 + 650 × 1000 1500 + 55.0 × 1000 + 490 × 1000 1560 1600 + roox lovo. + 200× 1000 2050 0 2200 - 120× 1000 2300 - 250×1000 2400 - 320× 1000 Sanzia) spot price ishen position is closed 5.80 per busher = \$3000 = (5.80 - 5.20) x 5000 = \$3000 U contract covers 5k whele b) Formers goture price _ 1.60 per pound ... I have enlessed short fulum contract

= 1 hofit = (1.60-1.40) ×37500 = \$7500 c) 40 Short 381(200) Fileres contracts
b feature price (7500 index 86) (spet price (7800 Index pt) $\frac{1}{2} \cos x = (1800 - 7500) \times 125 \times 40$ = 5300000A) I long Staurless state futer contracts

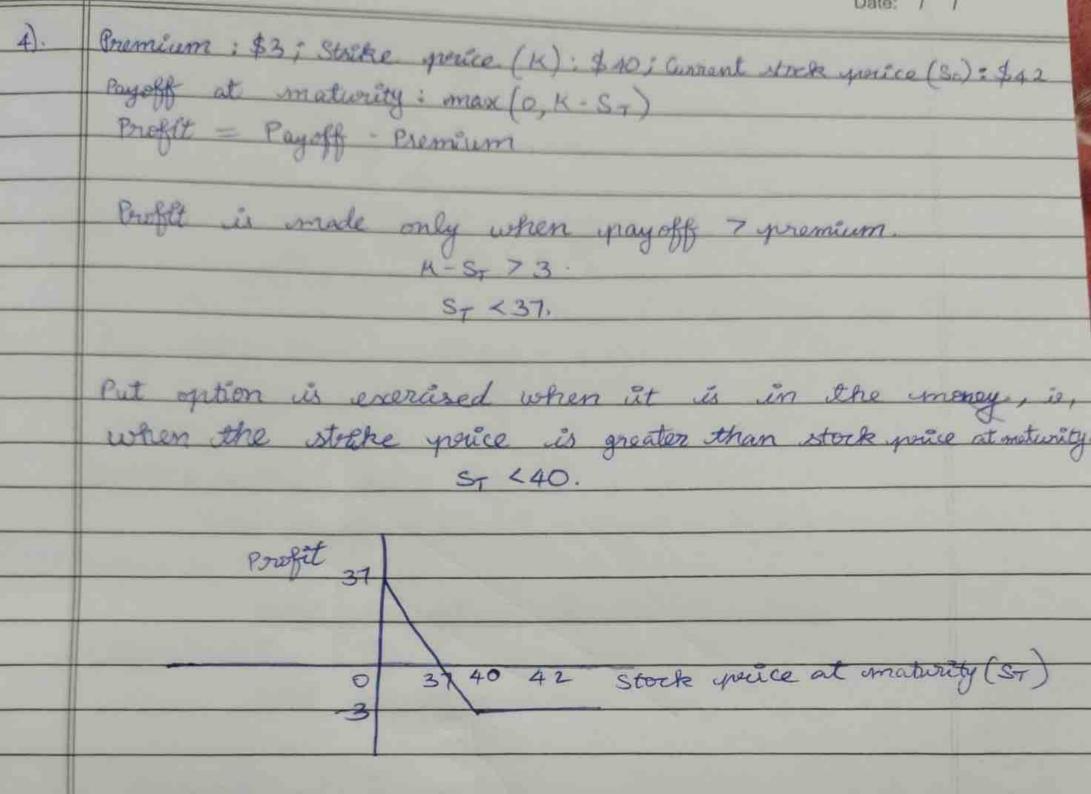
friture price 20th 15000 per mother forme

spot price = find 13500 per mother tonne

That = 1500 x 3 x 5 = \$2500

Grantact covers 5 metriciting

pupergrid Date: / / 3). Fatures contract is an agreement to long or sell an arest at a future date at a predetermined price whereas spot contract is an immediate querchase sale of an asset at surrent market you'ce. The workflow of futures contract goes as follows: 1) Creation of contract: Futures exchanges of the commodity are selected. Buyers and sellers enter into contracts via brokers. (iii) Holding or Offsetting: Traders can hold till matwrity for physical delivery or offset less their position before expiry by taking an opposite trade. (i) Settlement: Either cash-settled or physically delivered. Commodity exchanges: · define contract size, quality, delivery date and location provide an electronic system for buyers and sellers · reduce counterparty risk. · rollanates physical delivery.



| 5). Forward price at sety (F): Strike you'ce of yout. Spot price of the asset at maturity (ST). Strike price of the put and call: K-F. Long forward contract payoff at maturity: Payoff forward = ST-F Long put option payoff at maturity: Payoff put = max(F-ST, 0) | |
|--|-----------|
| Long forward contract payoff at maturity: Payoff forward = ST - F Long put option payoff at maturity: Payoff put = max(F-ST, 0) | |
| | |
| Total terminal value of the northolio: | |
| Total terminal value of the pertfolio: Total payoff = $S_{7} - F + cmax (F - S_{7}, 0)$. When $S_{7} \ge F$, | |
| Total payoff = $S_7 - F$. When $S_7 < F$ Total payoff = O . | |
| Terminal naudk expression = 6 S7 - F; if S7 ZF | or(s,-F,0 |
| This is exactly the payoff of a European call option with strike price f and maturity T. | 2 |
| The result follows from Put-Call Parity for Europeano, OF K=F-Soe, The result follows from Put-Call Parity for Europeano, OF N=F-Soe, The result follows from Put-Call Parity for Europeano, OF P-Soe, OF P-SOE, | ntions |
| If K=F=Soe, C-P=So-Ke-TT=So-So=0=> C=P. Value of European Call = Value of European F | Put |

50 pt rut-cale dispar s'annual télèco Dt.:

The free route C-P= SO-Ke c-l=50-Ke c=20, l=5 c=50=130, K=120, T=12=lyeog l=5=130-120=V l=5=130-120=V# v = 4.25% (arrival rish free rate). Continutions: Garrit - 1,2,6

Jayaraiman - 3,4,5