## Question 2:

- (a) Position-, lors, lot size = 5000 bushels Strike price = \$5.2 Clase price = \$5.8
  - Profit = (5.8-5.2) × 5000 = \$3,000
- (b) Position short, lot size = 37,500 pounds

  8 trike price = \$1.0 per pounds

  close price = \$1.4 per pound

  Profit = 37,000 x 0.2 = \$7,500
- (c) Position short, (ontract size = SA\$25 per index point (ontrach = 40 inhal prie = 7500 final price z 7800

(0555 = 40 × SA\$ 7500 = SA\$ 300,000

postions love, contracts 5 metric tonnes

no. of contract + 3

instral price - RMB 15,000 per time
timed price - RMB 15,800 per time

Profit = 800 x5 x8 = RMB 12,000

## Question 5:

if F -> forward price at setup Sq -> spot price at materity

1) Long forward contract payoff

ST-F

€ Long pot option payoff

max (F-Sq, o)

Total payoff of portfolio: (ST-F) + max (F-ST,0)

Now, consider 2 cases.

. it STOF - put expires worthless - Total = ST-P

. it STCF -> pot pay off = F-ST -> 7-tel=(ST-F)+(F-F)=0

So, Terminal payoff = max (ST-F, O) & Ins European call with Strike F.