Flex:
[Call option T= 1 yr.
Call option T= 1 yr. Accident happens when S+> K strike
Rwill be determined later!
Will be determined with
" K will be the price of Stocks in 3-months?
Transportation / Agian
Accident happens if oil price too expensive goes above & K
goes above
Accident happens if Annual Average Oil price
gres above K
Cheaper
js reduced

	's 600	educe d		
exchan	ge 0	phon	4 (5'-,	\
urance	e pays	11/0	x (5,-°	5,

Si S<sub>2</sub>

Rainbow Option. Which to buy Pays Max (S1, S2) at & T

Max (JPM, GS, ML,...) at T

 $M_{\alpha x} \left( \frac{1}{s_1}, \frac{1}{s_2}, \cdots, \frac{1}{s_n} \right) at T.$ 

Lookback (No regret option)
There is regre

100

When to buy

Lookback pays At Smax min the lookback window  $Max(S_1 - S_2, 0) = M(S_1, S_2) - S_2$ exchange = (Rainbow) + short exchange + 52 = Rainbow more expensive

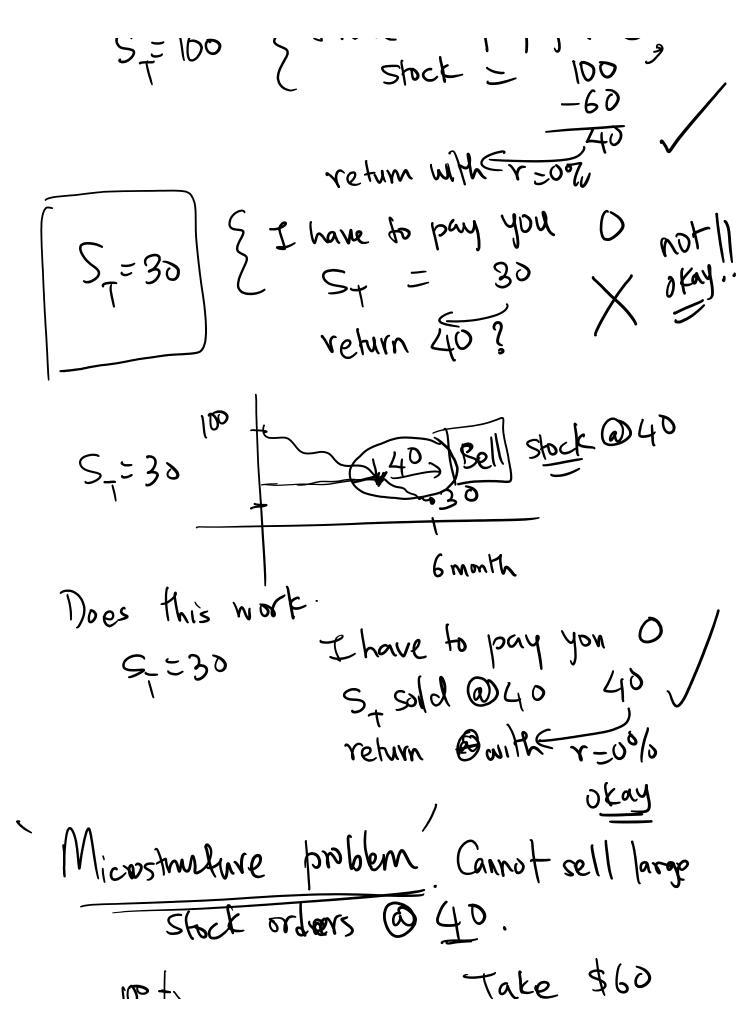
ST-150 (BI have to pay you \$110)

I m hadged I have the stock = 150

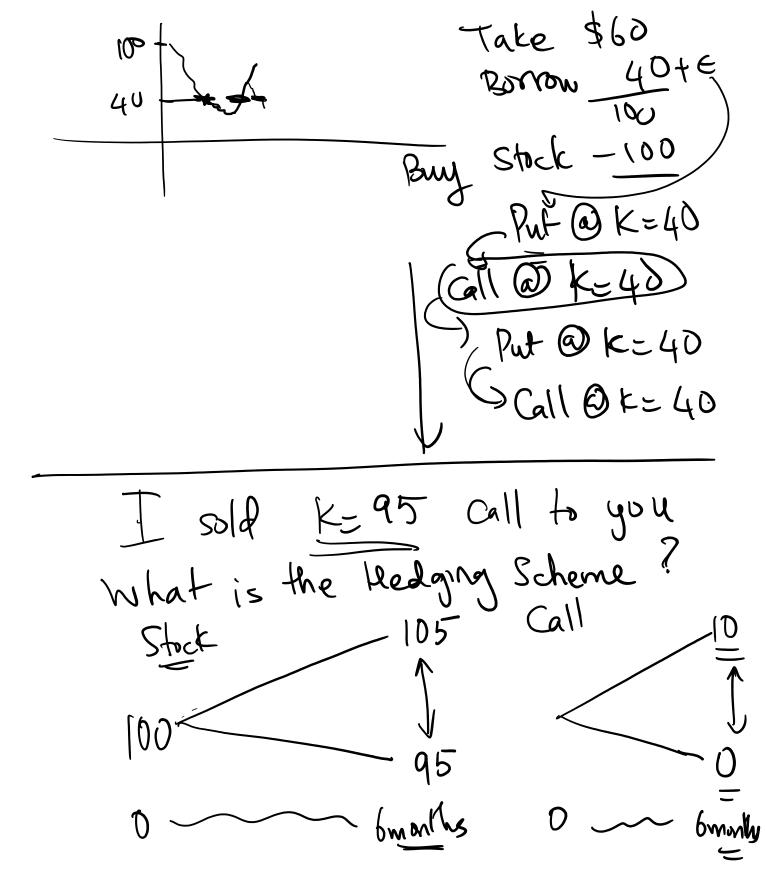
Tehrn the borrowed morey with r=0%

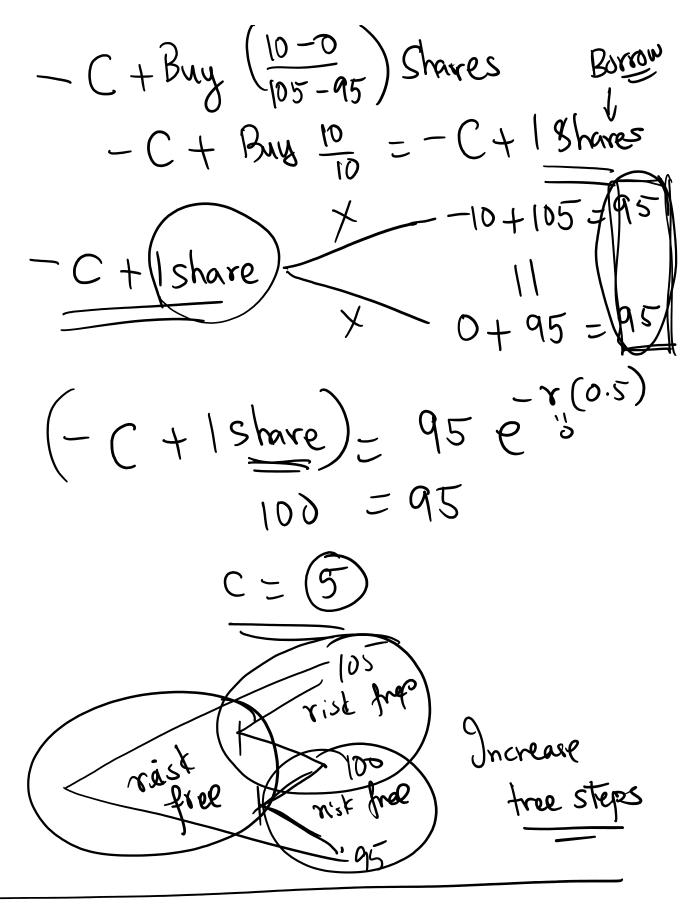
Stock = 100

Stock = 100



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Accounting equations at every node

Accounting equations at every nume Diff. Equation (no probability)
B.S diff equation (prob. free) BS of + r.s of + 2025 of = rf F. pice of derivative Ea(f(24) | ··~ ) Q = Special Potability (Feynman)

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Comment: If you replace Stocks

with bonds.

Then probability is important

"Accounting Egns" will need prob

HJM framework = ) remove the

prob again!