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Problem 12

1- year call
$$C=\$$$
 ($K=30$)

1-year put $P=\$4$ ($K=30$)

2call + 1 put \Rightarrow Cost = $2\cdot3+4=\$10$

Prof. $t=2*Max(s_{T}-K,0)+1:Max(k-s_{T},0)-10$

Find s_{T} such that $Prof. t>0$

Pof. $t=0$ \Rightarrow $2*Max(s_{T}-30,0)+Max(30-37,0)=10$

$$|f S_{7}=40 \Rightarrow 20 \neq 10$$

$$S_{7}=35 \Rightarrow 2x5 = 10$$

$$10 = 10$$

$$S_{7}=20 \Rightarrow P_{8}+=0$$

Aug 29-5:11 PM