Understanding how options work and basics of when to buy/sell call and put options

Kiran Muthigi

Domain: Options Trading

Topic: Understanding how options work and basics of when to buy/sell call and put options

Expert: Kiran Muthigi. I have been trading/investing at the stock market for 4 years now and moved to options trading in 2019 (managed a small amount of capital before coming to Columbia and generated a decent return).

User: Nandini Agrawal is a 22 year old MS CS student at Columbia. She is also taking Algorithmic trading this semester. A lot independent traders and big firms use options and the trend of using options by the retail community has been growing a lot recently. It didn't make sense to her that calls for Facebook had twice as many buyers as sellers, yet, its price was decreasing rapidly. As a stock market enthusiast and as someone in online stock market communities, she often finds herself lost when people around her talk about options. She would love to understand its basics so that she can understand the conversation about options in these communities and hopefully, take trades in future.

Media: We will use sample stock charts divided into two parts: historical performance and predicted performance. There will be images, animations and a small amount of text in each lesson.

Quiz: After each lesson, we will generate random graphs and quiz users on what option strategy they will be implementing here. We will only cover basics, that is, buying call option, selling call option, buying put option, selling put option. The idea is not to teach them everything at once, but do so iteratively. In the end, there will be a 1-minute rapid fire round and the user's score will be entered into a leaderboard!

Positive piece of feedback: It is a cool topic with not many experts

Cautionary piece of feedback: Try not to info-dump or regurgitate facts. Focus on a specific subset of information.

Intro to Options Trading

Let's Start!

Leaderboard

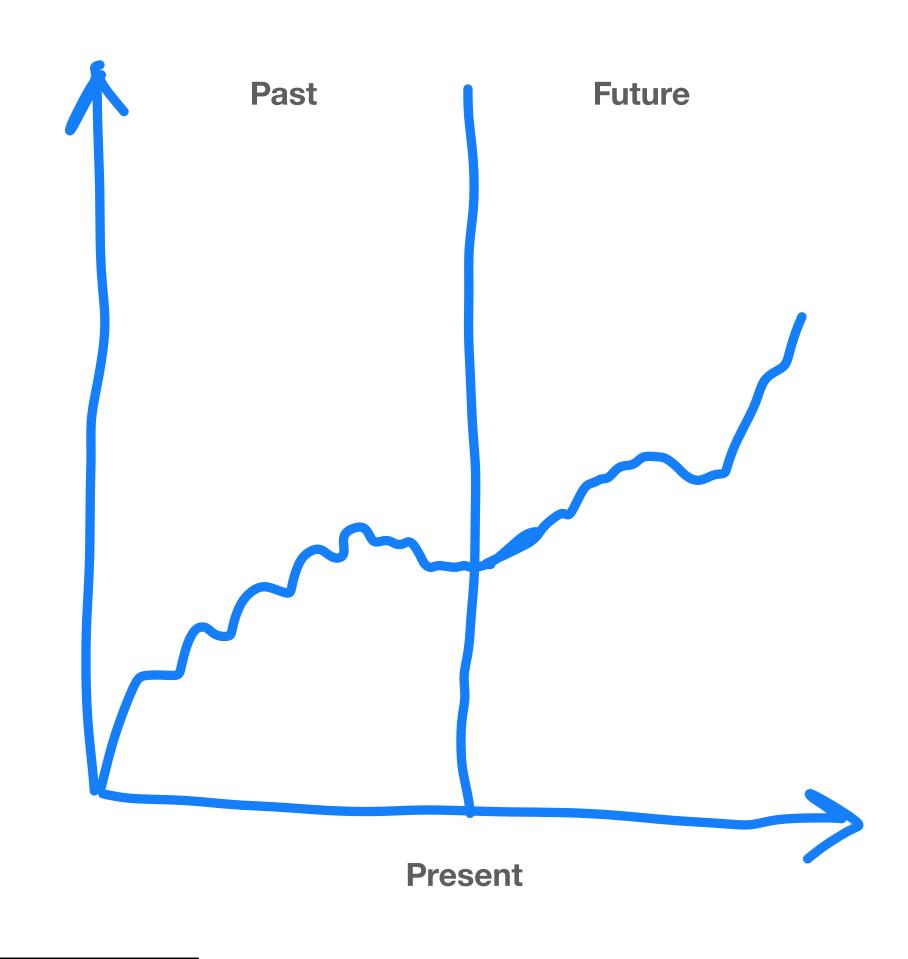
Buying Options!

You buy an option when you believe its value is going to up in the future.



Prev

Quiz one



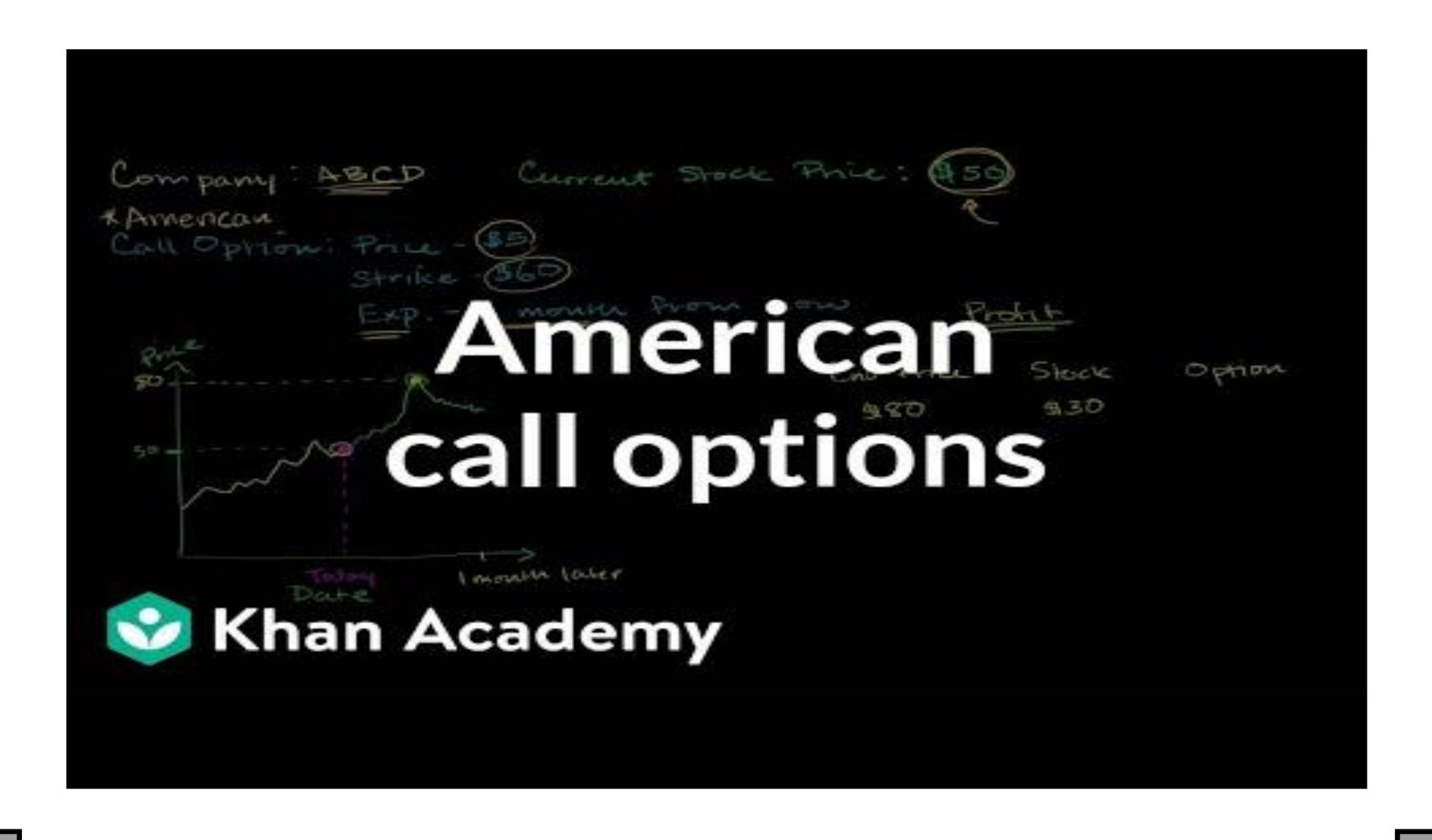
Will you be buying this stock?

Yes

No

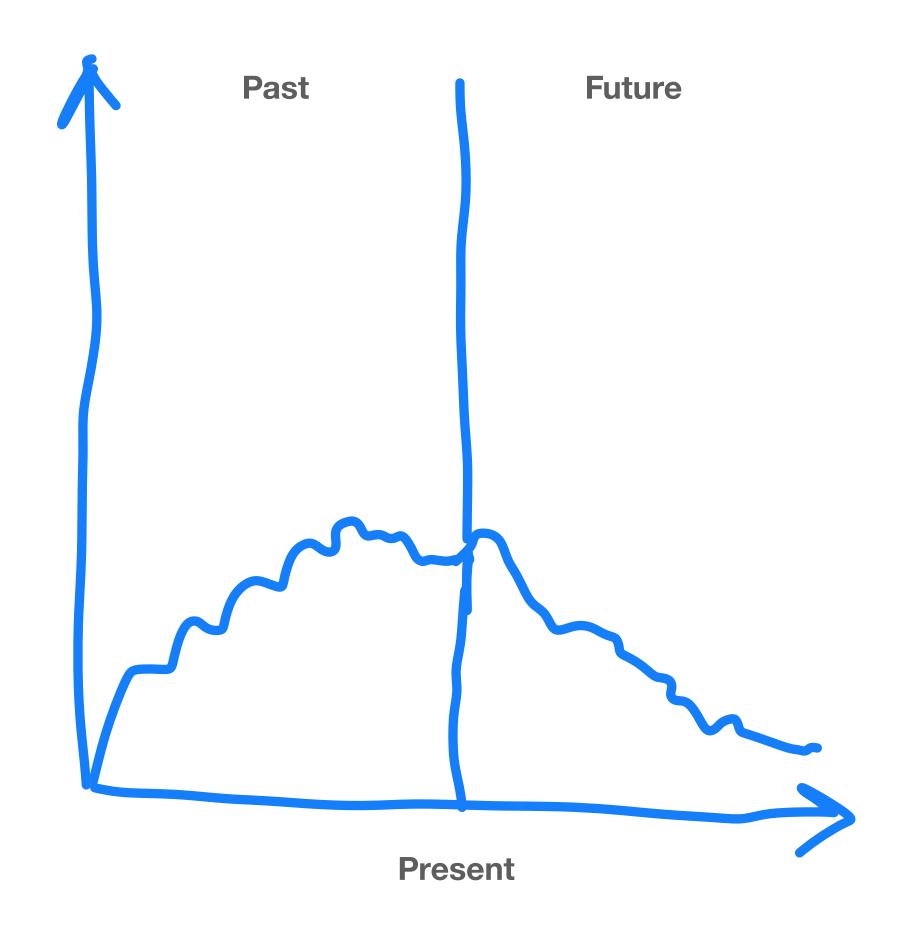
Prev

Call options



Prev

Quiz two



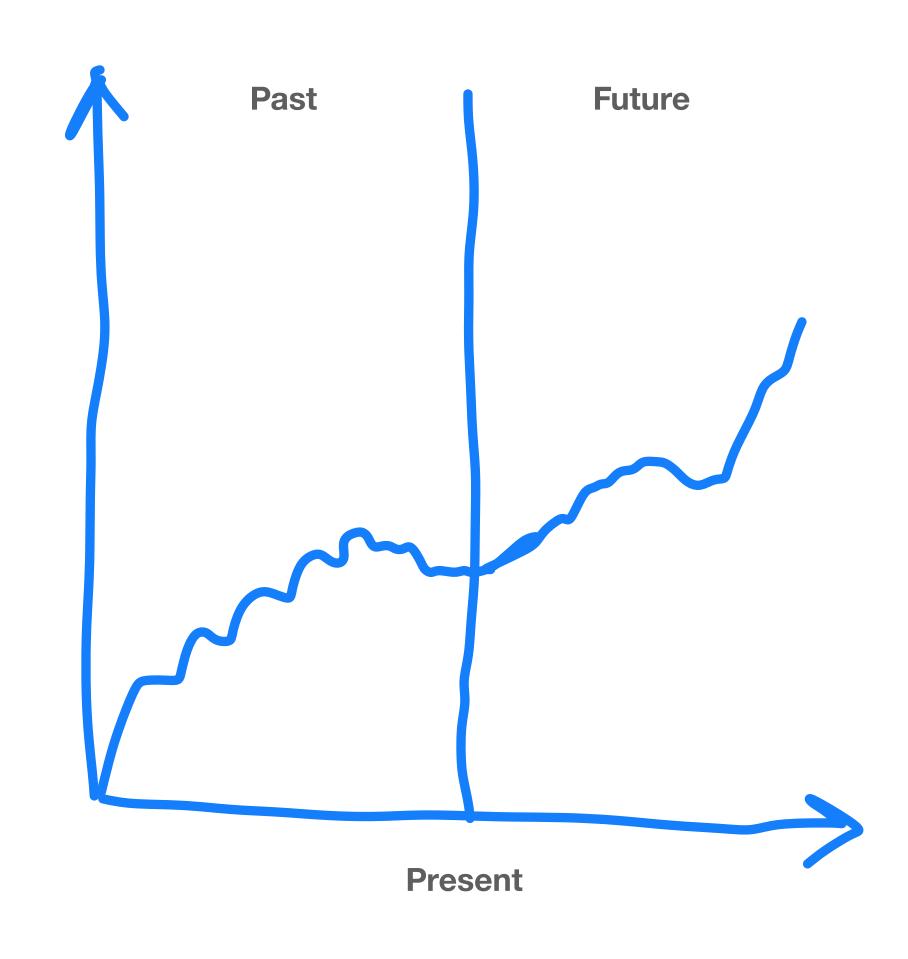
Will you be buying call option for this stock?

Yes

No

Prev

Quiz two



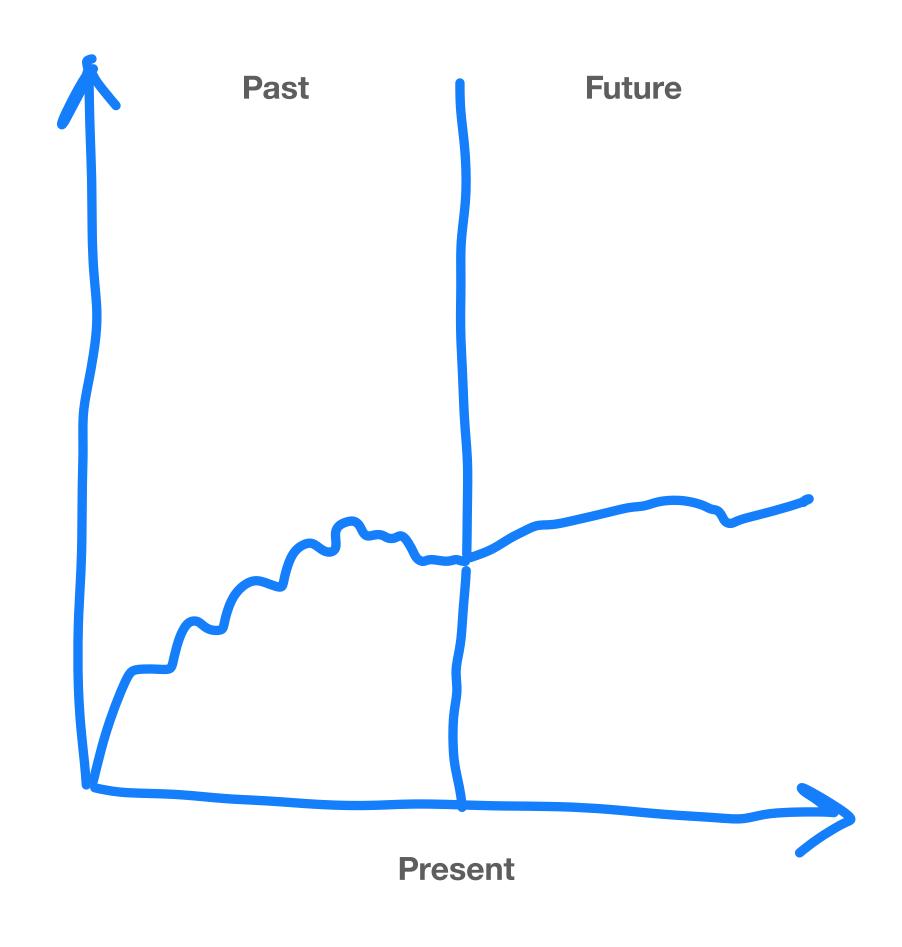
Will you be buying call option for this stock?

Yes

No

Prev

Quiz two



Will you be buying call option for this stock?

- Yes
- Probably not
- Calls should not be even considered for a pattern like this

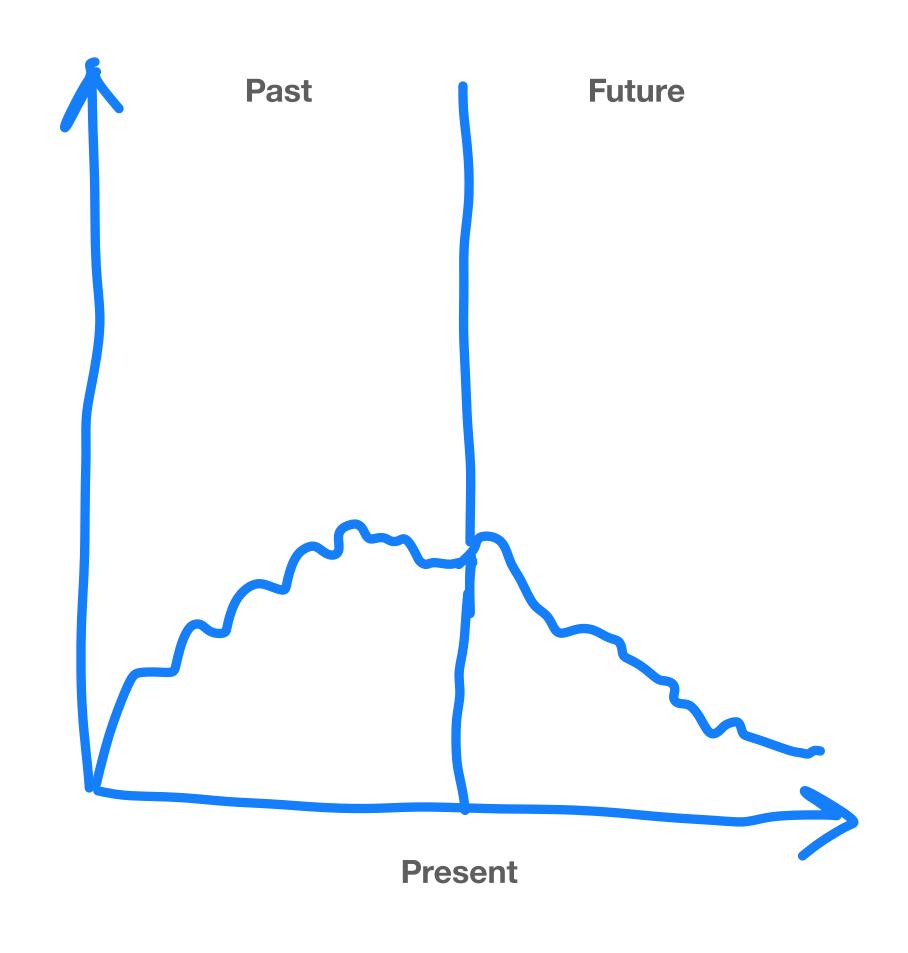
Prev

Put options



Prev

Quiz three



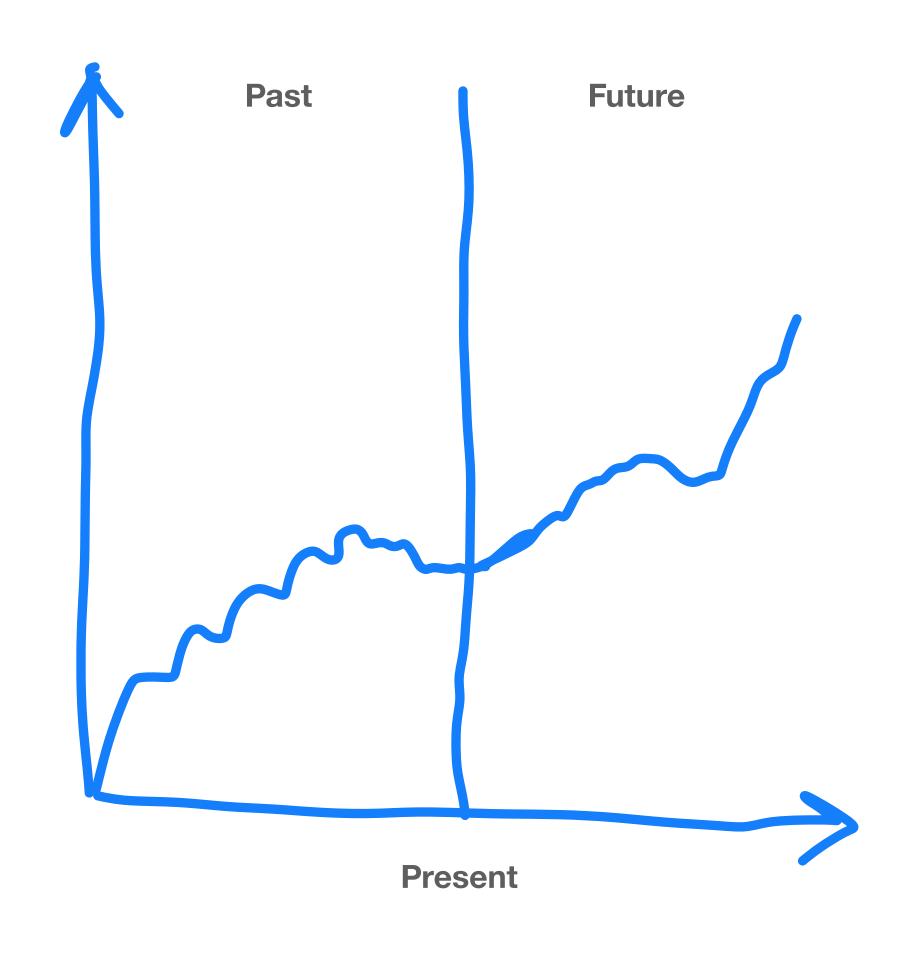
Will you be buying put option for this stock?

Yes

No

Prev

Quiz three



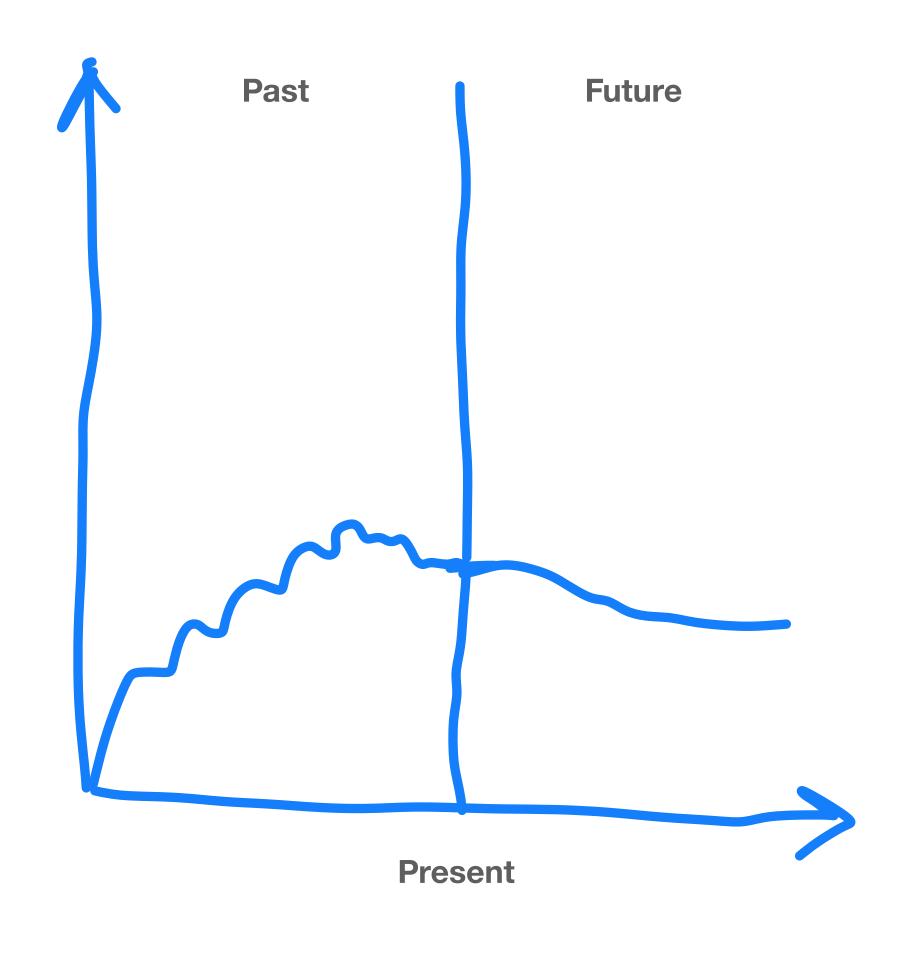
Will you be buying put option for this stock?

Yes

No

Prev

Quiz three



Will you be buying put option for this stock?

- Yes
- Probably not
- Puts should not be even considered for a pattern like this

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Selling options

If you believe the price of an option will go down, you will borrow the option from someone who owns it, and sell it only to buy it back later on at a lower price and give it back to the person you borrowed from.



Part 4/5

Selling Options

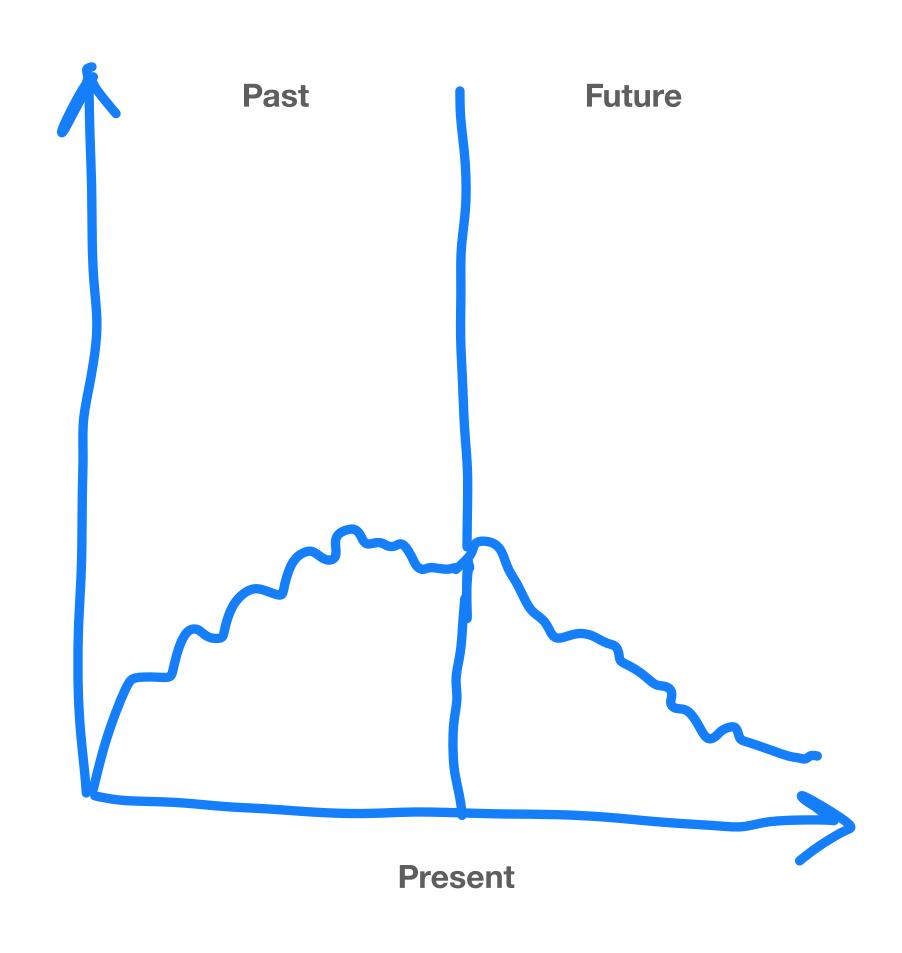
Is selling an option same as Put Option? ● Yes ● No

Show after user selects an option

Selling Options is different from Put Options. You can sell both call and put!

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Quiz Four

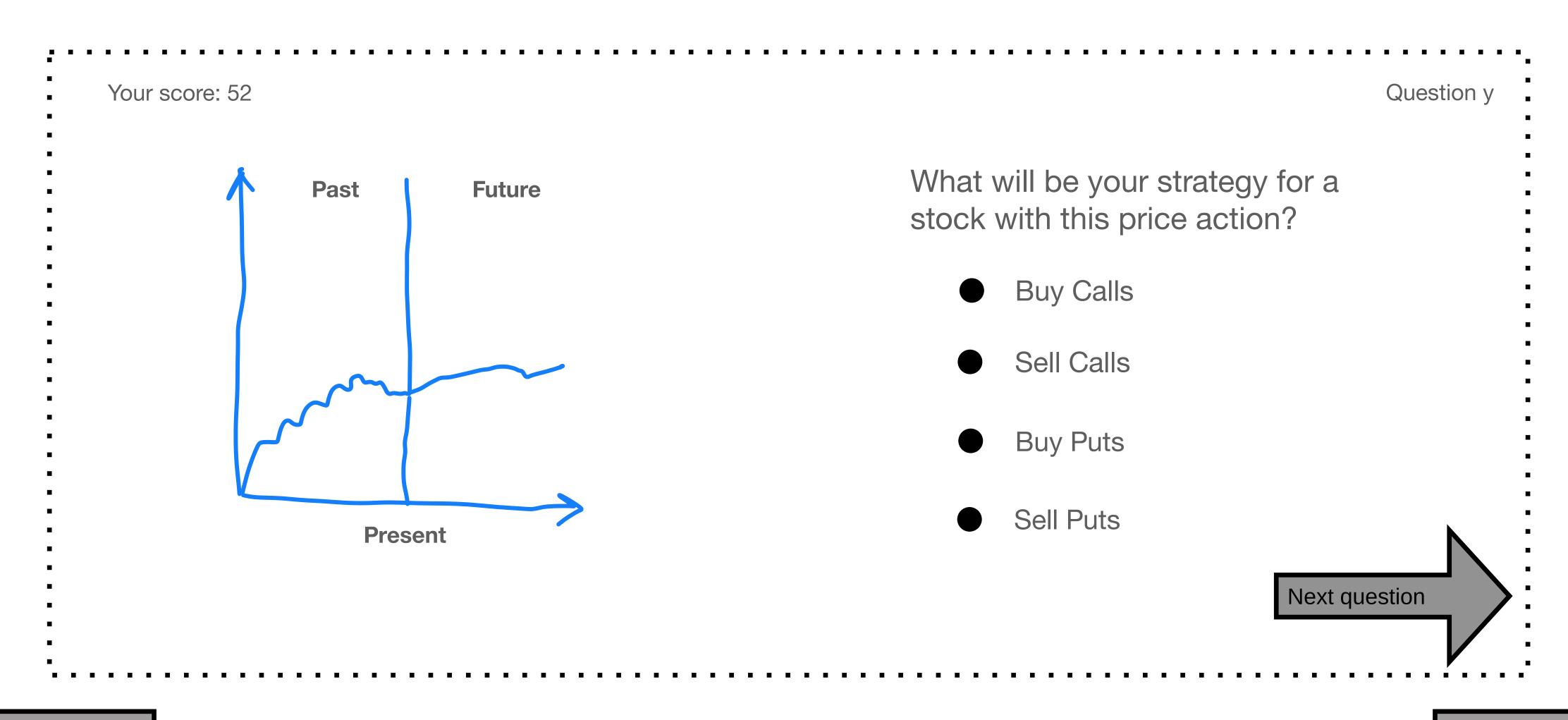


Will you be Buying or Selling the contract based on this price action?

- Buy
- Sell

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Final Quiz - Solve as many as you can in 2 mins!



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Congratulations!

Your Score is x!

Enter your name for the leaderboard:

Check Leaderboard

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