



William Ting &lt;williamdjting@gmail.com&gt;

**FW: Who Wins?**

1 message

**William Ting** <william\_ting\_2@sfu.ca>  
To: "williamdjting@gmail.com" <williamdjting@gmail.com>

Tue, Jun 27, 2023 at 6:10 AM

**From:** Daily Byte**Sent:** Tuesday, June 27, 2023 6:10:23 AM (UTC-08:00) Pacific Time (US & Canada)**To:** William Ting**Subject:** Who Wins?

## The Daily Byte

Good morning,

Need help with yesterday's problem? [Start getting solutions.](#)

### Today's Byte

This question is asked by Amazon. Given an integer array, two players take turns picking the largest number from the ends of the array. First, player one picks a number (either the left end or right end of the array) followed by player two. Each time a player picks a particular numbers, it is no longer available to the other player. This picking continues until all numbers in the array have been chosen. Once all numbers have been picked, the player with the larger score wins. Return whether or not player one will win.

Note: You may assume that each player is playing to win (i.e. both players will always choose the maximum of the two numbers each turn) and that there will always be a winner.

Ex: Given the following integer array...

```
nums = [1, 2, 3], return true
Player one takes 3
Player two takes 2
```

Player one takes 1  
 $3 + 1 > 2$  and therefore player one wins

Thanks,  
The Daily Byte

---

**Need help negotiating your offer? Chat with former tech recruiters who'll guide you on exactly what to say to get you paid more. Get negotiation help from [levels.fyi](#).**

---

Want to take a break? [snooze](#) or [unsubscribe](#)

© 2023 The Daily Byte. All rights reserved.