![Gmail](M Gmail)                                    **William Ting <williamdjting@gmail.com>**

## FW: Popsicle Stand
1 message

**William Ting** <william_ting_2@sfu.ca>                    Fri, Jun 23, 2023 at 6:09 AM
To: "williamdjting@gmail.com" <williamdjting@gmail.com>

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**From:** Daily Byte
**Sent:** Friday, June 23, 2023 6:09:42 AM (UTC-08:00) Pacific Time (US & Canada)
**To:** William Ting
**Subject:** Popsicle Stand

## The Daily Byte

Good morning,

Need help with yesterday's problem? Start getting solutions.

> Today's Byte

This question is asked by Amazon. You're running a popsicle stand where each popsicle costs $5. Each customer you encountered pays with either a $5 bill, a $10 bill, or a $20 bill and only buys a single popsicle. the customers that come to your stand come in the ordered given by the `customers` array where `customers[i]` represents the bill the $i^{th}$ customer pays with. Starting with $0, return whether or not you can serve all the given customers while also giving the correct amount of change.

Ex: Given the following customers…

```
customers = [5, 10], return true
collect $5 from the first customer, pay no change.
collet $10 from the second customer and give back $5 change.
```

Ex: Given the following customers…

```
customers = [10], return false
collect $10 from the first customer and we cannot give back
change.
```

Ex: Given the following customers…

```
customers = [5,5,5,10,20], return true
collect $5 from the first 3 customers.
collet $10 from the fourth customer and give back $5 change.
collect $20 from the fifth customer and give back $10 change
($10 bill and $5 bill).
```

Thanks,

The Daily Byte

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