

```
(function(_ ,e,rr,s){_errs=[s];var c=_.onerror;_.onerror=function(){var a=arguments;_err
c&& c.apply(this,a)};var b=function(){var c=e.createElement(rr),b=e.getElementsByTagName
c.src="//beacon.errorception.com/"+s+".js";c.async=!0;b.parentNode.insertBefore
_.addEventListener?_.addEventListener("load",b,!1):_.attachEvent("onload",b)})
(window,document,"script","4e7c8fce06a9ab05530008e5");
```

```
(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start': new Date().getTime(),event:'gtm.js'});var
f=d.getElementsByTagName(s)[0],j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'https://www.googletagmanager.com/gtm.js?id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-TV5X2M');
```

```
!function(f,b,e,v,n,t,s)
{if(f.fbq)return;n=f.fbq=function(){n.callMethod?
n.callMethod.apply(n,arguments):n.queue.push(arguments)};
if(!f._fbq)f._fbq=n;n.push=n;n.loaded=!0;n.version='2.0';
n.queue=[];t=b.createElement(e);t.async=!0;
t.src=v;s=b.getElementsByTagName(e)[0];
s.parentNode.insertBefore(t,s)}(window,document,'script',
'https://connect.facebook.net/en_US/fbevents.js');
fbq('init', '277309139459596');
fbq('track', 'PageView');
```

var \_sf\_startpt=(new Date()).getTime() Ketu and Petu | CodeChef

```
<[CDATA[//><!]]>
```

```
#custom-login {
  height: 45px;
}
```

```
function loginMsg(e)
{
  invokeGenericModal({id: 'login-required', message:
    '<div class="ccl-font-h2 ccl-border-bottom ccl-padding-s ccl-margin-sm ccl-align-c">O
    <div class="ccl-font-p ccl-align-c ccl-margin-m">It seems you are not logged in. Log
    e.preventDefault();
  }
}
```

```
function contestEndRedirect(e, redirectTo)
{
  invokeGenericModal({id: 'contest-end-msg', message:
```

```

        '<div class="ccl-font-h2 ccl-border-bottom ccl-padding-s ccl-margin-sm ccl-align-c">Re
        '<div class="ccl-font-p ccl-align-c ccl-margin-m">' +
        'The contest has ended. To make submissions to its problems, let us take you to the pr
        'Take me <a href="'+redirectTo+'">there</a>' +
        '</div>',
        isLoginRequired:true, closeCross: true});
    e.preventDefault();
    setTimeout(function() {
        window.location.href = redirectTo;
    }, 7000);
}

function practiceNotMoved(e)
{
    invokeGenericModal({id: 'problem-not-moved-msg', message:
        '<div class="ccl-font-h2 ccl-border-bottom ccl-padding-s ccl-margin-sm ccl-align-c">O
        '<div class="ccl-font-p ccl-align-c ccl-margin-m">' +
        'That\'s an expired contest you are trying to submit to. ' +
        'Should you choose to continue so, <a href="mailto:help@codechef.com">write</a> to ad
        'to the practice section, once they are there you will be able make the submissions.'
        '</div>',
        isLoginRequired:true, closeCross: true});
    e.preventDefault();
}

Username: *
Password: *
Forgot Password

String.prototype.capitalize = function() {
    return this.charAt(0).toUpperCase() + this.slice(1);
};

disconnectOAuth = function (event, account){
    if(event!=undefined)
    {
        event.preventDefault();
    }
    var r = confirm("Are you sure you want to disconnect "+account.capitalize()+" account?")
    if (r == true) {
        clearUserCache();
        $.ajax({url: '/OAuth/' + account,
            type: 'DELETE',
            success: function(){
                window.location.reload();
            },

```

```

        error:function(){
            invokeGenericModal({message:"Couldn't complete your request. Please try again."});
        }
    });
}
};

```

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Ketu and Petu

```

input.todo-button {
    vertical-align:text-bottom;
    margin-left: 18px;
}

```

Problem code: KETEKI2A

Submit All Submissions

All submissions for this problem are available.Chef saw Ketu and Petu playing the following game. - There are  $n$  cards placed in a line on a table with each card having a value on it. Card  $i$  has value  $C_i$ , where  $1 \leq i \leq n$ . Initially,  $C_1$  is at the front and  $C_n$  is at the back. - Both of them take their turn alternately with Petu starting the game. - Petu draws card from the front of the remaining cards. - Ketu draws card from the back of the remaining cards. - Both of them gain value written on the card they drew. - When there is no card remaining, the game ends.

Chef was wondering what will be difference in points earned by Ketu and Petu after the game ends?

**Input:**

- The first line of input contains a single number  $n$ .
- The second line of input contains  $n$  space separated integers  $C_1, C_2, \dots, C_n$ .

**Output:**

Print a single integer, Ketu's points - Petu's points after the end of the game.

**Constraints:**

- $1 \leq n \leq 10^5$
- $1 \leq C_i \leq 10^3$  for each valid  $i$

**Sample Input:**

```
3
1 4 10
```

**Sample Output:**

```
5
```

**Explanation:**

Let  $K$  be points of Ketu and  $P$  be points of Petu. - Initially,  $K = 0$  and  $P = 0$ .  
- Petu draws card with value 1 and gains 1 points. So,  $P = 0 + 1 = 1$ . - Ketu draws card with value 10 and gains 10 points. So,  $K = 0 + 10 = 10$ . - Petu draws card with value 4 and gains 4 points. So,  $P = 1 + 4 = 5$ .

Hence, the value of  $K - P = 10 - 5 = 5$ .