

Find all integers  $n$  such that  
 $(n > 3 \ \&\& \ n \leq 15 \ \&\& \ n \% 5 == 1)$   
would evaluate to true.

$n = 6, 11$

---

```
if ([boolean expr]) {  
    // statements  
} else if ([boolean expr]) {  
    // statements  
} else if .... {  
} else {  
    // statements  
}
```

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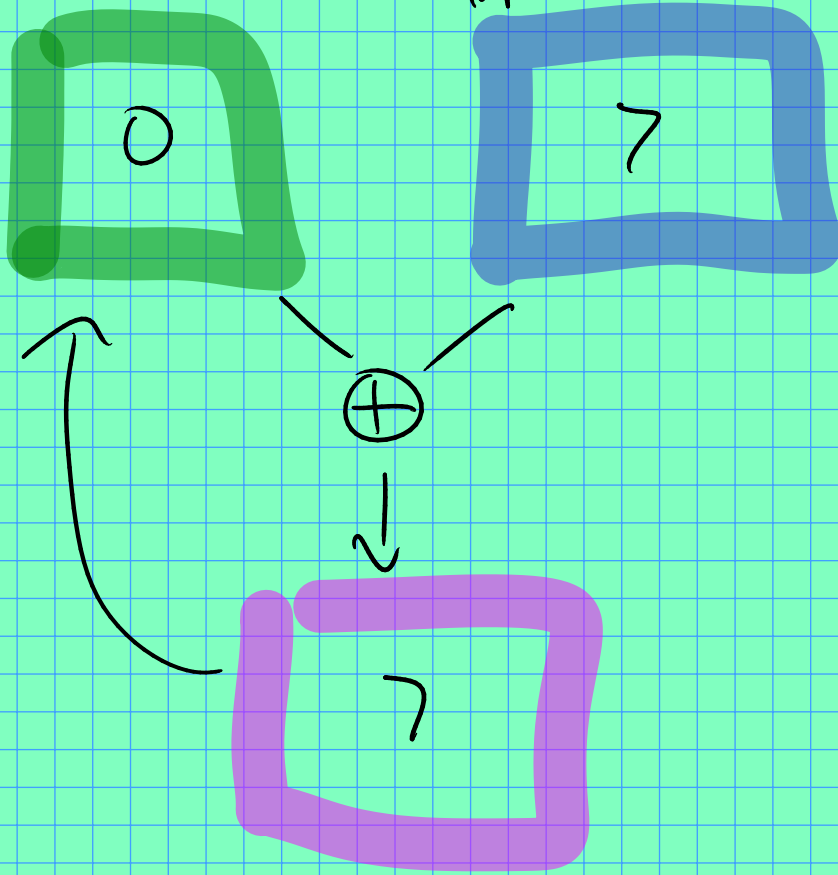
Exercise: compute the sum of all  
integers given on stdin (read via cin).

Basic "shape" is the same as for  
computing a max or min!

```
answer = <neutral>  
while (cin >> temp) {  
    // combine temp w/ answer,  
    // store back into answer.
```

```
}  
cout << answer;
```

concretely for computing a sum:  
sum "so far"      input



Outline of steps in English:

- ① set green = 0 (green  $\equiv$  sum of all #s so far)
- ② listen for # on blue note
- ③ add green + blue, store into purple
- ④ copy purple back to green
- ⑤ repeat ② - ④.