

```
boolean done = false;
```

```
while (!done) {
```

```
    // to get out: done = true;
```

```
}
```

```
boolean keepGoing = true;
```

```
while (keepGoing) {
```

```
    // exit: keepGoing = false
```

```
}
```

(A) add \t (S) subtract \t (M) mult. ply \t
(D) divide \t (Q) quit

```
if (choice == "A" ||  
    choice == "a") {
```

```
}  

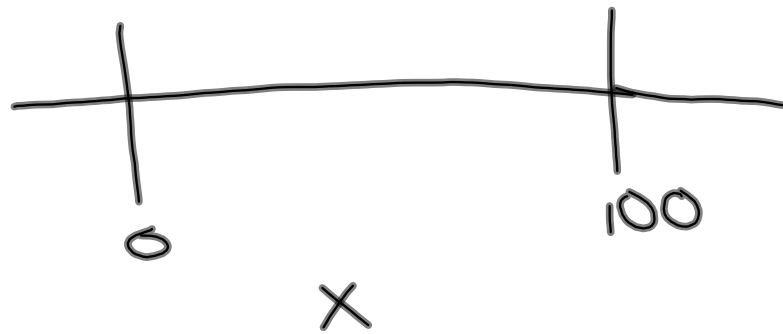

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```
if (choice.equals("A") ||
 choice.equals("a")) {
```


```

```
}
```



in range: $(x \geq 0 \ \&\& \ x \leq 100)$

out of range: $!(x \geq 0 \ \&\& \ x \leq 100)$
 $(x < 0 \ || \ x > 100)$

$$!(A \ \&\& \ B) \equiv !A \ || \ !B$$

$$!(A \ || \ B) \equiv !A \ \&\& \ !B$$

A	B	A && B	!(A && B)	!A	!B	!A !B
T	T	T	F	F	F	F
T	F	F	T	F	T	T
F	T	F	T	T	F	T
F	F	F	T	T	T	T

left right