switch() → with char, int (long)
nesting
competency tests
String

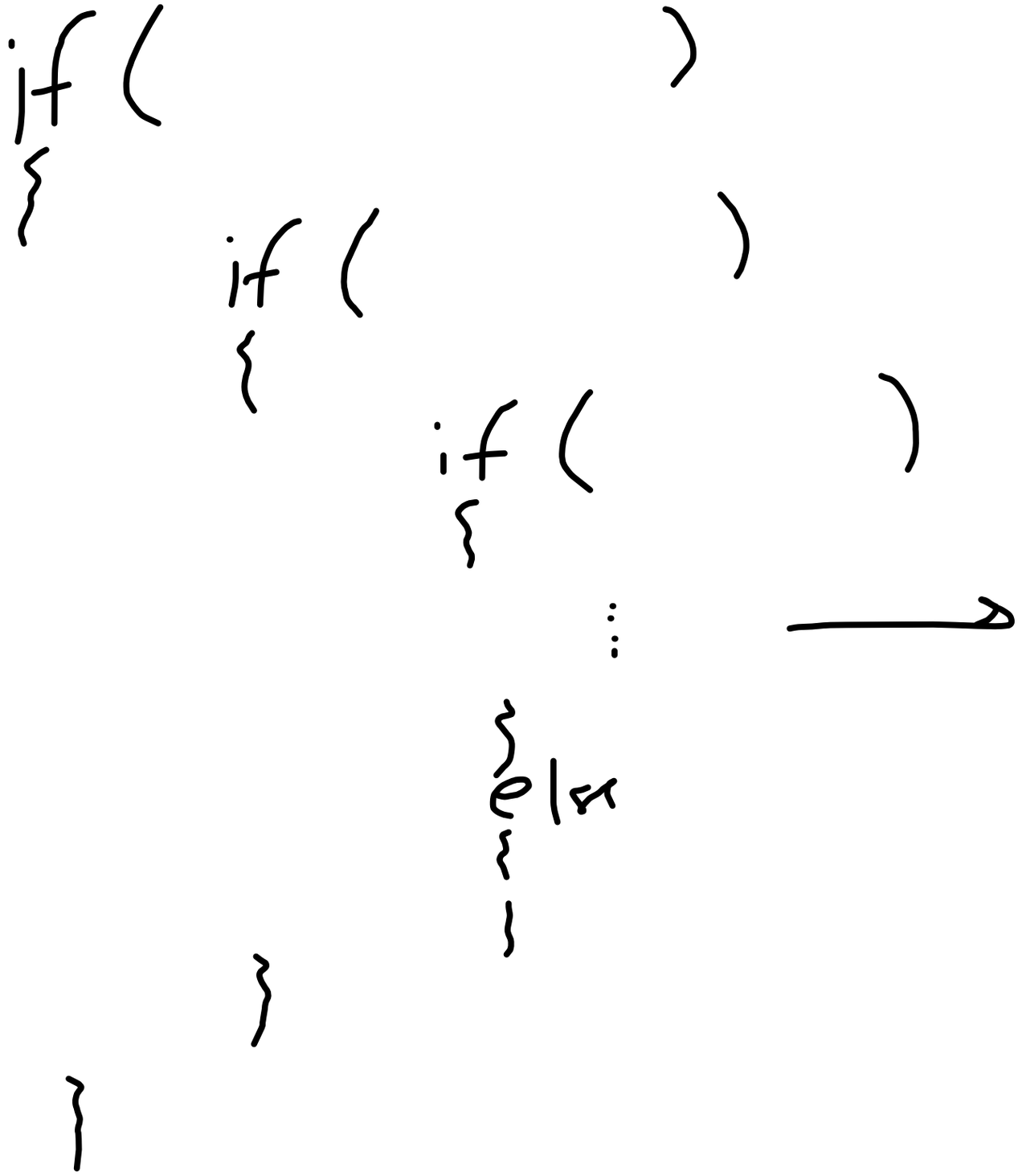
```
int a;
  :
switch(a)
{
   case 1:
   Console.Write("one\n");
       break;
   case 2:
       :
       break;
}
```

```
Char ans;
:
switch(ans)
{
    case 'y': case 'Y':
    Console.Write("Are you sure? ");
        break;
    case 'n':
    case 'N':
     Console.Write ("continue\n");
        break;
    default:
     Console.Write ("incorrect input\n");
        break;
}
```

```
switch(ans)
{
    case '1':
        .
        .
        .
    case '2':
        .
        .
        .
    case '3':
        .
        .
        .
    case '4':
        .
        .
        .
            break;
}
```

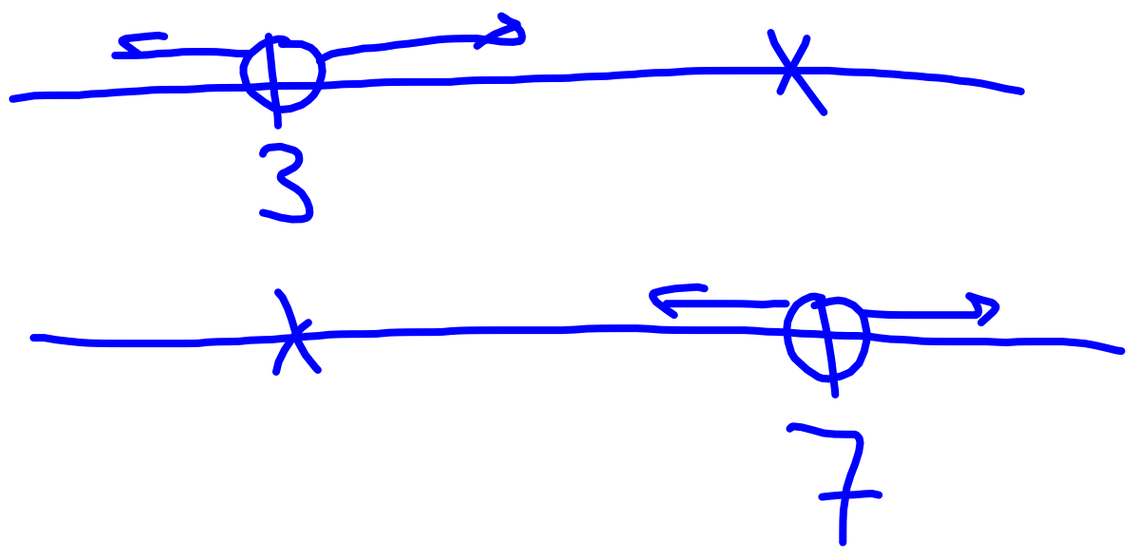
nesting

```
switch(ans1)
{
   case 1:
          switch(ans2)
          {
             case 1:
                   break;
          }
          break;
   case 2:
          .
          .
          .
}
```


if (
)
{
if (
)
{
if (
)
{
⋮
}
else
{
}
}
}

Boolean operators

```
if ( x == 3 && y == 7)
if ( x != 3 || x != 7)
if (x != 3 && x != 7)
```



Boolean Algebra