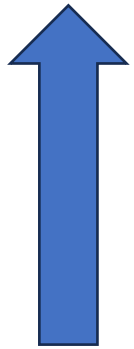
concat xss = [x | xs ← xss, x ← xs]



[1,2,3]

[1,2,3]

[[1,2,3],[4,5],[6]]

ghci> concat [[1,2,3],[4,5],[6]]

[1,2,3,4,5,6]

```
pairs xs = zip xs  (tail  xs)
```

[1,2,3,4] [2,3,4]

[(1,2),(2,3),(3,4)]

```
ghci> pairs [1,2,3,4]
[(1,2),(2,3),(3,4)]
```

```
sorted xs = and [x ≤ y | (x,y) ← pairs xs]
```

[(1,2),(2,3),(3,4)]

[(1,3),(3,2),(2,4)]

```
ghci> sorted [1,2,3,4]
True
ghci> sorted [1,3,2,4]
False
```

[True, True, True]

[True, False, True]

```
positions x xs =                                    0
                                                    ||
      [i | (x',i) ← zip xs  [0..], x == x']
```

[1,0,0,1,0,1,1,0] [0,1,2,3,4,5,6,7,..]

```
ghci> positions 0 [1,0,0,1,0,1,1,0]
[1,2,4,7]
```