```javascript
1  function sırala(dizi) {
2    if (dizi[0] > dizi[1])
3      dizi.sort((x, y) => x - y)
4    return dizi
5  }
6  function topla (dizi){
7    let toplam = 0
8    for (let i = dizi[0]; i <= dizi[1]; i++)
9      toplam += i
10
11   return toplam
12 }
13
14 console.log(topla(sırala([1,10])))
```

55

Data Analysis

Minimum correlation = 0

90 journal entries and 26 events
carrot: 0.0141 16
exercise: 0.0686 10
weekend: 0.1372 30
bread: -0.0758 8
pudding: -0.0648 6
brushed teeth: -0.3805 64
touched tree: -0.0808 9
nachos: -0.0704 7
cycling: -0.0808 9
brussel sprouts: -0.0523 4
ice cream: -0.0808 9
computer: 0.0686 10
potatoes: -0.0857 10
candy: 0.1296 6
dentist: -0.0366 2
running: -0.0905 11
pizza: 0.0686 10
work: -0.1372 60
beer: -0.0523 4
cauliflower: -0.0808 9
lasagna: 0.0808 9
lettuce: -0.0704 7
television: -0.0808 9
spaghetti: 0.2425 9
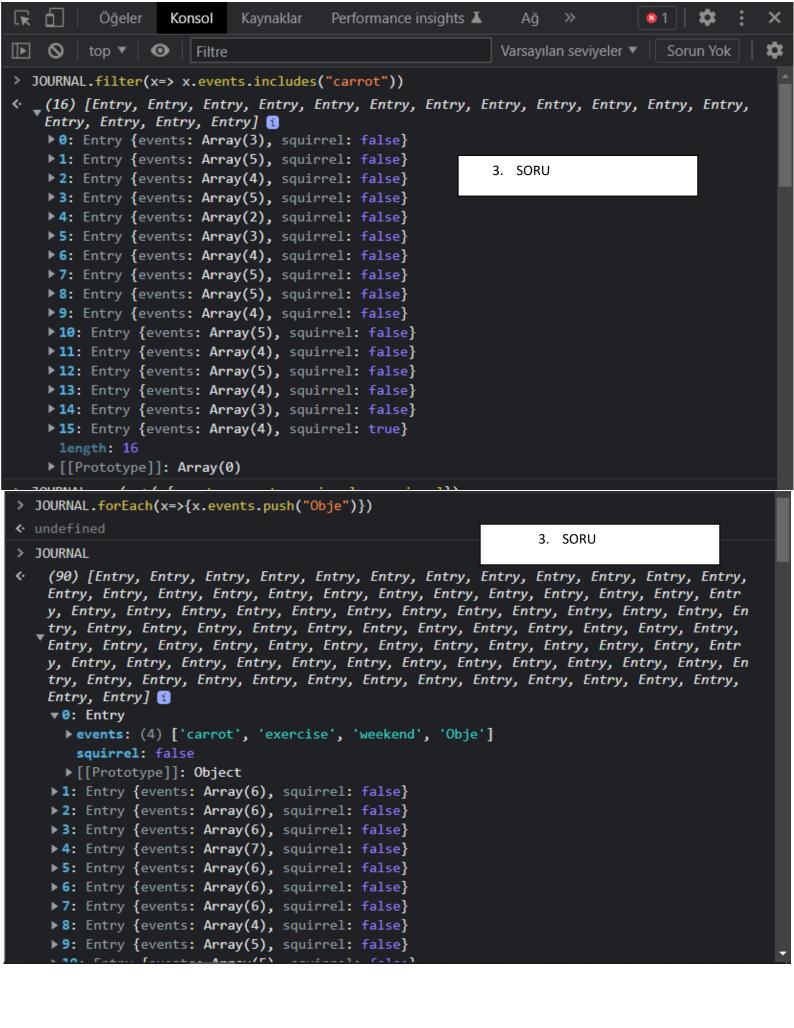reading: 0.1107 7
peanuts: 0.5903 13

Sample code

```javascript
function analyze(min=0) {
  let a = [];
  for (let evt of EVENTS) {
    let cor = phi(tableFor(evt));
    if (Math.abs(cor) > min)
      a.push(evt +": "+cor.toFixed(4)+" "+eventNumber(evt))
  }
  return a
}
function eventNumber(evt) {
  let counter=0;
  for (let entry of JOURNAL) {
    if (entry.events.includes(evt)) counter += 1;
  }
  return counter;
}
function journalEvents() {
  EVENTS.clear();
  for (let entry of JOURNAL)
    for (let e of entry.events)
      EVENTS.add(e);
}
```

```
> JOURNAL.filter(x=> x.events.length>3)
<- (86) [Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
   Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
   y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
 ▼ try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
   Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
   y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
   try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry] ⓘ
   ▶ 0: Entry {events: Array(4), squirrel: false}
   ▶ 1: Entry {events: Array(6), squirrel: false}
   ▶ 2: Entry {events: Array(6), squirrel: false}
   ▶ 3: Entry {events: Array(6), squirrel: false}
   ▶ 4: Entry {events: Array(7), squirrel: false}
   ▶ 5: Entry {events: Array(6), squirrel: false}
   ▶ 6: Entry {events: Array(6), squirrel: false}
   ▶ 7: Entry {events: Array(6), squirrel: false}
   ▶ 8: Entry {events: Array(4), squirrel: false}
   ▶ 9: Entry {events: Array(5), squirrel: false}
   ▶ 10: Entry {events: Array(5), squirrel: false}
   ▶ 11: Entry {events: Array(4), squirrel: false}
   ▶ 12: Entry {events: Array(5), squirrel: false}
   ▶ 13: Entry {events: Array(4), squirrel: false}
   ▶ 14: Entry {events: Array(4), squirrel: false}
   ▶ 15: Entry {events: Array(5), squirrel: false}
   ▶ 16: Entry {events: Array(5), squirrel: false}
   ▶ 17: Entry {events: Array(4), squirrel: false}
   ▶ 18: Entry {events: Array(4), squirrel: false}
   ▶ 19: Entry {events: Array(5), squirrel: false}
```

```
> JOURNAL.filter(x=> x.events.includes("carrot"))
<· (16) [Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry, Entry, Entry] ⓘ
     ▶0: Entry {events: Array(3), squirrel: false}
     ▶1: Entry {events: Array(5), squirrel: false}
     ▶2: Entry {events: Array(4), squirrel: false}
     ▶3: Entry {events: Array(5), squirrel: false}
     ▶4: Entry {events: Array(2), squirrel: false}
     ▶5: Entry {events: Array(3), squirrel: false}
     ▶6: Entry {events: Array(4), squirrel: false}
     ▶7: Entry {events: Array(5), squirrel: false}
     ▶8: Entry {events: Array(5), squirrel: false}
     ▶9: Entry {events: Array(4), squirrel: false}
     ▶10: Entry {events: Array(5), squirrel: false}
     ▶11: Entry {events: Array(4), squirrel: false}
     ▶12: Entry {events: Array(5), squirrel: false}
     ▶13: Entry {events: Array(4), squirrel: false}
     ▶14: Entry {events: Array(3), squirrel: false}
     ▶15: Entry {events: Array(4), squirrel: true}
       length: 16
     ▶[[Prototype]]: Array(0)
```

3.   SORU

```
> JOURNAL.forEach(x=>{x.events.push("Obje")})
<· undefined

> JOURNAL
<· (90) [Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
    y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
    try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
    y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
    try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry] ⓘ
    ▼0: Entry
      ▶events: (4) ['carrot', 'exercise', 'weekend', 'Obje']
        squirrel: false
      ▶[[Prototype]]: Object
     ▶1: Entry {events: Array(6), squirrel: false}
     ▶2: Entry {events: Array(6), squirrel: false}
     ▶3: Entry {events: Array(6), squirrel: false}
     ▶4: Entry {events: Array(7), squirrel: false}
     ▶5: Entry {events: Array(6), squirrel: false}
     ▶6: Entry {events: Array(6), squirrel: false}
     ▶7: Entry {events: Array(6), squirrel: false}
     ▶8: Entry {events: Array(4), squirrel: false}
     ▶9: Entry {events: Array(5), squirrel: false}
```

3.   SORU

```
> JOURNAL.map(function(element){
      if(element.squirrel == false){
         return element.squirrel = true
  }});
```

```
> JOURNAL
<·  (90) [Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
    y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
    try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entr
    y, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, En
    try, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry, Entry,
    Entry, Entry] ℹ
    ▶0: Entry {events: Array(4), squirrel: true}
    ▶1: Entry {events: Array(6), squirrel: true}
    ▶2: Entry {events: Array(6), squirrel: true}
    ▶3: Entry {events: Array(6), squirrel: true}
    ▶4: Entry {events: Array(7), squirrel: true}
    ▶5: Entry {events: Array(6), squirrel: true}
    ▶6: Entry {events: Array(6), squirrel: true}
    ▶7: Entry {events: Array(6), squirrel: true}
    ▶8: Entry {events: Array(4), squirrel: true}
    ▶9: Entry {events: Array(5), squirrel: true}
    ▶10: Entry {events: Array(5), squirrel: true}
    ▶11: Entry {events: Array(4), squirrel: true}
    ▶12: Entry {events: Array(5), squirrel: true}
    ▶13: Entry {events: Array(4), squirrel: true}
    ▶14: Entry {events: Array(4), squirrel: true}
    ▶15: Entry {events: Array(5), squirrel: true}
    ▶16: Entry {events: Array(5), squirrel: true}
    ▶17: Entry {events: Array(3), squirrel: true}
    ▶18: Entry {events: Array(4), squirrel: true}
```