

```

function memo(fn) {
  var cache = {};
  return function(args) {
    if(!cache[args]) {
      cache[args] = fn(args);
    }
    return cache[args];
  }
}

```

Handwritten annotations: 34 34 X =

```

function fibanocci(num) {
  return (num == 0 || num == 1)? num : fibanocci(num - 1) + fibanocci(num - 2);
}

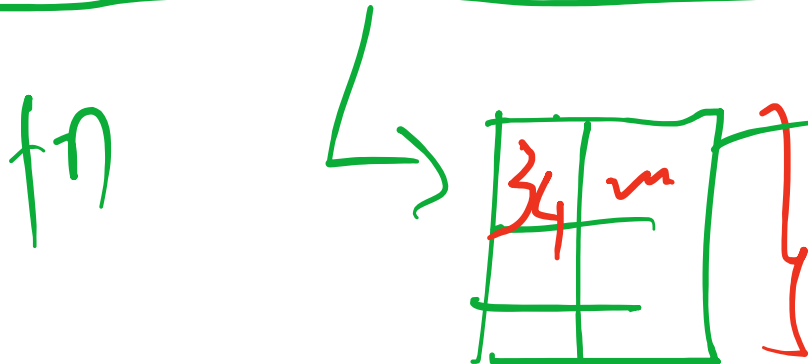
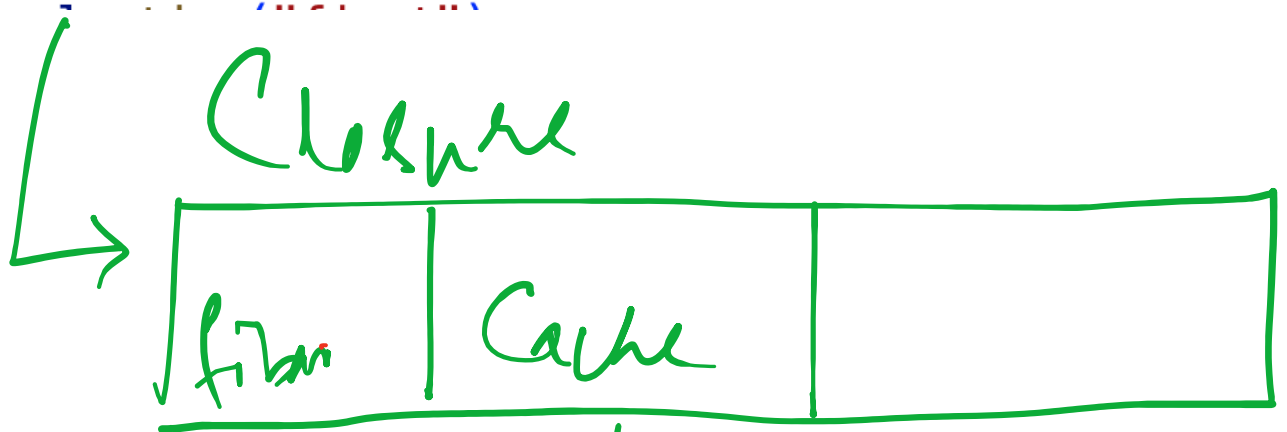
```

Handwritten annotation: →

```

var memFib = memo(fibanocci); // Closure --> fn : fibanocci

```

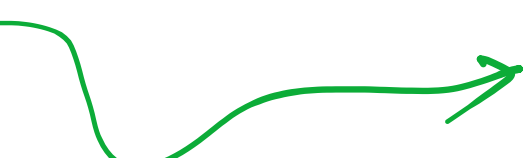


```
um - 1) + fibanocci(num - 2);
```

```
fibanocci and cache: {}
```

```
console.time("first"); ①  
| console.log(memFib(34))  
console.timeEnd("first");
```

```
console.time("second"); ②  
| console.log(memFib(34))  
console.timeEnd("second");
```



;

;