

```
function memo(fn) {  
  var cache = {}; // cache is  
  return function(arg){  
    if(!cache[arg]) {  
      cache[arg] = fn(arg);  
    }  
    return cache[arg];  
  }  
}
```

```
function fibanocci(num) {  
  return (num == 0 || num == 1) ? n  
}
```

```
const memoFib = memo(fibanocci);  
console.time("a");  
console.log(memoFib(34));  
console.timeEnd("a");
```

```
console.time("b");  
console.log(memoFib(34)); // issue ?  
console.timeEnd("b");
```

of \rightarrow memoization

Assume

