```
const fn = (isBad) => {
    return (n) => {
        let left = 1
        let right = n;
        while(left < right) {
            const mid = Math.floor((left+right)/2);
            if (isBad(mid)) {
                right = mid;
            } else {
                left = mid+1;
            }
        }
        return left;
}
```