

```
1
2 int *cuentaUnos(unsigned int *v, int n)
3 {
4     int *v2;
5     int i, bit, acc;
6     unsigned int mask;
7
8     v2 = malloc(sizeof(int) * 32);
9
10    for(mask = 0x80000000, bit = 31; mask > 0; mask = mask >> 1, bit--) {
11        acc = 0;
12        for(i = 0; i < n; i++){
13            if(mask & v[i])
14                acc++;
15        }
16        v2[bit] = acc;
17    }
18
19    return v2;
20 }
21
```