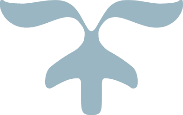


DAA WEEK – 8 SKILL – 8



# [Candies](https://www.hackerrank.com/contests/daa-skill-08-greedy-method-part-i/challenges/candies)

#include <stdio.h>

#include <stdlib.h>

int main() {

long long n, i, res = 0;

scanf("%lld", &n);

long long \*r = malloc(n \* sizeof(long long)), \*c = malloc(n \* sizeof(long long));

for (i = 0; i < n; i++) {

scanf("%lld", &r[i]);

c[i] = 1;

}

for (i = 1; i < n; i++)

if (r[i] > r[i - 1]) c[i] = c[i - 1] + 1;

for (i = n - 2; i >= 0; i--)

if (r[i] > r[i + 1] && c[i] <= c[i + 1]) c[i] = c[i + 1] + 1;

for (i = 0; i < n; i++) res += c[i];

printf("%lld\n", res);

free(r); free(c);

return 0;

}

**Candies Test Cases**

**A screenshot of a computer

AI-generated content may be incorrect.**

# [Goodland Electricity](https://www.hackerrank.com/contests/daa-skill-08-greedy-method-part-i/challenges/pylons)

#include <stdio.h>

int getCnt(int \*arr, int n, int k) {

int next = -1, cnt = 0, prev = -1;

while (next < n - 1) {

int on = (next + k < n) ? next + k : n - 1;

while (on > prev && arr[on] != 1) on--;

if (on == prev) return -1;

cnt++, prev = on, next = on + k - 1;

}

return cnt;

}

int main() {

int n, k;

scanf("%d %d", &n, &k);

int arr[n];

for (int i = 0; i < n; i++)

scanf("%d", &arr[i]);

printf("%d\n", getCnt(arr, n, k));

return 0;

}

**Goodland Electricity Test Cases**

**A screenshot of a computer

AI-generated content may be incorrect.**

**SKILL WEEK – 8**

[**https://www.hackerrank.com/daa-skill-08-greedy-method-part-i**](https://www.hackerrank.com/daa-skill-08-greedy-method-part-i)