Description

Team Selection

Program Description

The Saratov State University Olympiad Programmers Training Center (SSU OPTC) has *n* students. For each student you know the number of times he/she has participated in the ACM ICPC world programming championship. According to the ACM ICPC rules, each person can participate in the world championship at most 5 times.

The head of the SSU OPTC is recently gathering teams to participate in the world championship. Each team must consist of exactly three people, at that, any person cannot be a member of two or more teams. What maximum number of teams can the head make if he wants each team to participate in the world championship with the same members at least *k* times?

Input Format

The first line contains two integers, n and k ($1 \le n \le 2000$; $1 \le k \le 5$). The next line contains n integers: $y1, y2, ..., yn$ ($0 \le yi \le 5$), where yi shows the number of times the i-th person participated in the ACM ICPC world championship.

Output Format

Print a single number — the answer to the problem.

Constraints

- $1 \le n \le 2000$
- $1 \le k \le 5$

Explaination

C - GCC 11.1.0 ▾ Timer 0:18 sec

Light

```c
#include<stdio.h>
int main()
{
    int n,k;
    scanf("%d %d",&n,&k);
    int y[n];
    for(int i=0;i<n;i++){
        scanf("%d",&y[i]);
    }
    int E=0;
    for(int i=0;i<n;i++) {
        if(y[i]<=5-k)
        E++;
    }
    int M=E/3;
    printf("%d",M);
    return 0;
}
```

Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	5 2 0 4 5 1 0	5 2 0 4 5 1 0	1	1	1408 KB	3.289 ms	Pass
2	6 4 0 1 2 3 4 5	6 4 0 1 2 3 4 5	0	0	1408 KB	2.500 ms	Pass

All hidden testcases passed

TECHNICAL HUB

Contact

Call: +91 83 43 81 81 81

Email: support@technicalhub.io

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