## Problem F. Fence

Input file: fence.in
Output file: fence.out
Time limit: 7 seconds
Memory limit: 256 megabytes

Peter has N poles in his vegetable garden. He wants to keep only four poles, all other he will dig out. But he has one restriction — these four poles must form vertices of parallelogram with positive area. Peter wants to know how many ways there are to do this.

## Input

## Output

Print the ways count.

## **Example**

fence.in	fence.out
6	5
1 1	
2 1	
3 1	
1 2	
2 2	
3 2	