Problem: Beautiful Triplets

Erica wrote an increasing sequence of numbers () in her notebook. She considers a triplet to be beautiful if:

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Given the sequence and the value of , can you help Erica count the number of beautiful triplets in the sequence?

Input Format

The first line contains space-separated integers, (the length of the sequence) and (the beautiful difference), respectively.

The second line contains space-separated integers describing Erica's increasing sequence, .

Constraints

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for

Output Format

Print a single line denoting the number of beautiful triplets in the sequence.

Sample Input

7 3 1 2 4 5 7 8 10

Sample Output

3

Explanation

Our input sequence is , and our beautiful difference . There are many possible triplets , but our only beautiful triplets are , and . Please see the equations below:

Recall that a beautiful triplet satisfies the following equivalence relation: where .

```
int main()
   int n, d;
   cin >> n >> d;
   int array[n]; //to hold the n numbers;
   /*Feeding the data*/
   for(int i=0;i< n; i++)
   {cin>>array[i];}
   /* Searching Beautiful Triplets*/
   int counter=0;
   for(int i=0; i< n; i++)
      \{for(int j=i+1; j< n; j++)\}
         { if(array[j]-array[i]==d)
              {
                 for(int k=j+1; k < n; k++)
                    {if(array[k]-array[j]==d)
                      {counter++;}
                    }
              }
         }
   cout < < counter;
   return 0;
}
```