Given the capacity of a hard drive and its measure unit, return its capacity in bytes.

Here are all possible measure units and their sizes:

| **Kilobyte (KB)** | **1,024 bytes** |
| --- | --- |
| Megabytes (MB) | 1,048,576 bytes |
| Gigabyte (G) | 1,073,741,824 bytes |
| Terabyte (TB) | 1,099,511,627,776 bytes |
| Petabyte (P) | 1,125,899,906,842,624 bytes |

**Example**

For capacity = 12 and unit = "KB", the output should be  
`ComputerUnitsToByte(capacity, unit) = "12288".

12 \* 1024 = 12288, which is the answer.

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer capacity**

Disk capacity.

*Constraints:*  
1 ≤ capacity ≤ 100.

* **[input] string unit**

Unit symbol, one of the following strings:'KB', 'MB', 'G', 'TB' or 'P'.

* **[output] string**

The answer as a string. It is guaranteed to be smaller than 251.

<https://codefights.com/challenge/pYKuEoELw5sgo5oyM/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string ComputerUnitsToByte(int capacity, string unit)

{

Dictionary<string, long> diccio = new Dictionary<string, long>();

diccio["KB"] = 1024;

diccio["MB"] = 1048576;

diccio["G"] = 1073741824;

diccio["TB"] = 1099511627776;

diccio["P"] = 1125899906842624;

long res = capacity \* diccio[unit];

return res.ToString();

}

static void Main(string[] args)

{

Console.WriteLine( ComputerUnitsToByte(12, "KB"));

Console.ReadLine();

}

}

}