🍰 **Interview Cake**

You have a list of integers, and for each index you want to find the product of *every integer except the integer at that index.*

Write a function `get_products_of_all_ints_except_at_index()` that takes a list of integers and returns a list of the products.

For example, given:

```
[1, 7, 3, 4]
```
Python 2.7 ▾

your function would return:

```
[84, 12, 28, 21]
```
Python 2.7 ▾

by calculating:

```
[7 * 3 * 4,  1 * 3 * 4,  1 * 7 * 4,  1 * 7 * 3]
```
Python 2.7 ▾

Here's the catch: **You can't use division in your solution!**

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