

Question: function Expanding

Write a function `expanding(l)` that takes input as a list of integers `l` and returns `True` if the absolute difference between each adjacent pair of elements strictly increases.

Here are some examples of how your function should work.

```
>>> expanding ([1, 3, 7, 2, 9])
```

```
True
```

Explanation: Differences between adjacent elements are $3-1 = 2$, $7-3 = 4$, $7-2 = 5$ and $9-2 = 7$.

```
>>> expanding ([1, 3, 7, 2,-3])
```

```
False
```

Explanation: Differences between adjacent elements are $3-1 = 2$, $7-3 = 4$, $7-2 = 5$, $2-(-3) = 5$, so not strictly increasing.

```
>>> expanding ([1, 3, 7, 10])
```

```
False
```

Explanation: Differences between adjacent elements are $3-1 = 2$, $7-3 = 4$, $10-7 = 3$, so not increasing.