ชอ-นามสกุล (14 นา

2. (6 marks) create a file q2.pl and write function

```
greatestdiff(List1, List2, V)
```

Assume List List1 and List2 are integer lists of equal length (and are not empty), V is the greatest difference from every pair of data at the same position.

Think of List1 and List2 as inputs, and V as an output.

```
For example: if List1 = \{8,2,4,1,1\},
List2 = \{4,2,0,7,4\}, the difference for each pair of data will be \{4,0,4,6,3\}, and V, which is the maximum difference, will be 6.
```

```
An example run is as follows: 
?- greatestdiff([11,0,1,16,20],[4,15,19,4,4],R). 
R = 18; 
false. 
?- greatestdiff([9,10,1,6,10,3],[4,15,8,0,14,11],R). 
R = 8; 
false.
```