TSP: Tutorial 2

Question 1

There is a duality between the border and the period of a string. Take the string $x = $ `aabaabaa` and it's border `aa`. As shown below, this corresponds to a period of 6:

```
1  period
2  vvvvvv
3
4  aabaabaa
5        aabaabaa
6
7        ^^
8        border
```

Question 2

$-1, 0, 0, 1, 2, 3, 4, 5, 1, 1, 2$

Question 3

$-1, 0, -1, 0, -1, 0, -5, 5, 1, 0, 2$

Question 4