

```
#include <stdlib.h>

int* plusOne(int* digits, int digitsSize, int* returnSize) {

    int* result = (int*)malloc((digitsSize + 1) * sizeof(int));

    for (int i = digitsSize - 1; i >= 0; i--) {

        if (digits[i] < 9) {

            for (int j = 0; j < digitsSize; j++) {

                result[j] = digits[j];

            }

            result[i]++;

            *returnSize = digitsSize;

            return result;

        }

        digits[i] = 0;    }

    result[0] = 1;

    for (int i = 1; i <= digitsSize; i++) {

        result[i] = 0;

    }

    *returnSize = digitsSize + 1;

    return result;

}
```

