

TestCases

Case1

- 测试函数

```
1 | Vector(int size);
```

- 输入输出

```
Testing Vector(int size)
size=10
Success
```

Case2

- 测试函数

```
1 | Vector();
2 | void push_back(const T& x);
3 |     void inflate();
4 | int size() const;
5 | T& operator[](int index);
```

- 输入输出

```
Testing Vector()
How many numbers will you input
10
Please enter the numbers
Like 6 7 8 2
1 9 2 8 3 7 4 6 5 0
testing int size() const          Size of the vector is: 10
testing T& operator[]             The elements in it is: 1 9 2 8 3 7 4 6 5 0
```

Case3

- 测试函数

```
1 | Vector(const Vector& r);
```

- 输入输出

```
testing Copy VectorSize of the copied vector is: 10
The elements in it is: 1 9 2 8 3 7 4 6 5 0
```

Case 4

- 测试函数

```
1 void clear();
2 bool empty() const;
```

- 输入输出

```
testing void clear()      now the size of the vector:0
testing bool empty() const  is it empty:1
```

Case5

- 测试函数

```
1 T& at(int index);
```

- 输入输出

- 未抛出异常

```
testing T& at(int index) may cause an exception, enter anything to begin
1
Size of the vector is: 10
The elements in it is: 38 41 45 48 51 54 58 61 64 68
Please enter the index you want to check: 5
54
```

- 抛出异常

```
Size of the vector is: 10
The elements in it is: 38 41 45 48 51 54 58 61 64 68
Please enter the index you want to check: 11
```

