

Answer sheet

姓名_____学号_____

PART 1

D	D	B	C	C	C	A	D	D	C
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PART 2

55	45	121	296
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PART 3

<p>1</p> <p>For &&, if the left operand is false, the result will be false regardless of the right operand. To improve execution speed, C allows the program to skip the execution of the second operand in this case. This is call the short-circuit operation for &&.</p> <p>For , if the left operand is true, the result will be true regardless of the right operand.</p>	<p>2</p> <p>A continue-statement skips the following statements inside the current iteration.</p> <p>The break-statement ends the current loop, and continues with the statement that follows the loop.</p>
<p>3</p> <ol style="list-style-type: none"> 1. Make program easier to design. 2. Make program simpler to read 3. Hide implementation 4. Code reusing 	<p>4</p> <p>Before each function call</p> <ol style="list-style-type: none"> 1) Allocating the memory space for the local variables 2) Passing values for arguments <p>After each function call:</p> <ol style="list-style-type: none"> 1) Setting return value 2) Releasing the memory space for the local variables

PART 3 请写背面

PART 4

<p>1</p> <p>line 2: missing "using namespace std;"</p> <p>line 4: should be "lc+('a'-'A')"</p> <p>line 5: missing return value: "return upper;"</p> <p>line 9: missing initialization "bool isEnd=false;"</p> <p>line 10: should be "isEnded == true"</p> <p>line 13: missing argument "lower"</p> <p>line 15: should be "upper == 'e' "</p>	<p>2</p> <p>line 2: missing "using namespace std;"</p> <p>line 4: undefined "value"</p> <p>line 6: additional ";"</p> <p>line 8: missing ";"</p> <p>line 9: dangling "else"</p> <p>line 12: should be "!= 0"</p> <p>line 15: dangling "else"</p>
<p>3</p> <p>line 2: missing "using namespace std;"</p> <p>line 5: "endl" is a constant</p> <p>line 6: switch on a double value "option"</p> <p>line 7: missing "break;"</p> <p>line 8: missing "case"</p> <p>line 9: should remove "> 3"</p> <p>line 10: missing } for the switch statement</p>	<p>4</p> <p>line 2: ";" should be ","</p> <p>line 2: endless recursive function calls between the two "max" functions.</p> <p>line 6: each parameter should have a type</p> <p>line 9: ambiguous function call</p> <p>line 10: should be "max(value1, value3);"</p> <p>line 15: should be "(value1 < value2 ? value1 : value2)"</p> <p>line 22: missing ")"</p>

```
1  #include <iostream>
2  using namespace std;
3
4  bool isAnswer(int x) {
5      int answer = x * x * x -
6          28 * x * x +
7          245 * x * x - 650;
8      return (answer == 0);
9  }
10
11 int main() {
12     for (int x = 1; x <= 100; ++ x) {
13         if (isAnswer(x)) {
14             cout << "x=" << x << endl;
15         }
16     }
17 }
```