(a) What is the output of the program for the following variant of foo?

```
int foo (int& a, int b) {
  a += b;
  return a;
}
```

```
int main() {
  int a = 0;
  int b = 1;
  for (int i=0; i<5; ++i) {
    b = foo (a, b);
    std::cout << b << " ";
  }
  return 0;
}</pre>
```

(a)

What is the output of the program for the following variant of foo?

1 2 4 8 16

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}</pre>
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(b)
What is the output of the program for the following variant of foo?

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}
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  int b = 1;
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    std::cout << b << " ";
  }
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}</pre>
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(b)

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1 1 1 1 1

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