# Assignment No. .

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## Pull with Git?

#### Ouestion No. 1

Write a function using reference variables as arguments to swap the values of a pair of integers.

#### Code

//QUESTION Write a function using reference variables as arguments to swap the values of a pair of integers.

```
#include <iostream>
void swap(int &a, int &b)
    int temp = a;
    a = b;
    b = temp;
}
int main()
    std::cout << "Enter two Numbers: " << "
    int a, b;
    std::cin >> a >> b;
    std::cout << "Before Swapping: " << "</pre>
" << "a: " << a << "
" << "b: " << b << "
    swap(a , b);
    std::cout << "After Swapping: " << "</pre>
" << "a: " << a << "
" << "b: " << b << "
   return 0;
}
```

## \$ ./bin/1.o

#### Input

18 90

#### Output

Enter two Numbers:

Before Swapping:

a: 18

b: 90

After Swapping:

a: 90

b: 18

#### Ouestion No. 2

Write a function that creates a vector of user given size M using new operator.

#### Code

//QUESTION Write a function that creates a vector of user given size M using new operator. #include <iostream> #include <vector> int main() { int M; std::cout << "Enter the size of the vector you want to create: ";</pre> std::cin >> M; auto vec = new std::vector<int>(M , 0); std::cout << "The size of the vector is: " << vec->size() << '</pre> std::cout << "The Elements of the vector are: " << '</pre> for(auto it : \*vec) std::cout << it << ' return 0; } \$ ./bin/2.o Input 23 Output Enter the size of the vector you want to create: The size of the vector is: 23 The Elements of the vector are: 0

#### Ouestion No. 3

0

Write a program to evaluate the following investment equation

#### Code

```
//QUESTION Write a program to evaluate the following investment equation
//V = P(1+r)n
//and print the tables which would give the value of V for various
//of the following values of P, r and n:
//P: 1000, 2000, 3000,....,10,000
//r: 0.10, 0.11, 0.12,....,0.20
//n: 1, 2, 3,....,10
#include <iostream>
int main()
   std::cout << "|P
            << "|r "
            << "|n
            << "|V|" << std::endl;
   std::cout << "|---|---|" << std::endl;
   for (int n = 1; n \le 10; n++)
       for (int r = 10; r <= 20; r++) // Don't work with doubles use ints and then divide by 10 later.
          for (int P = 100; P <= 1000; P += 100)</pre>
              long V = P * (10 + r) * n;
              std::cout << '|' << P*10 << " |" << r/double(10) << " |" << n << " |" << V << '|' << "
          }
       }
   }
}
```

#### \$./bin/3.o

# Input

#### Output

```
|P |r |n |V|
|---|---|
|1000 |1 |1 |2000|
|2000 |1 |1 |4000|
|3000 |1 |1 |6000|
|4000 |1 |1 |8000|
|5000 |1 |1 |10000|
|6000 |1 |1 |12000|
|7000 |1 |1 |14000|
|8000 |1 |1 |16000|
|9000 |1 |1 |18000|
|10000 |1 |1 |20000|
|1000 |1.1 |1 |2100|
|2000 |1.1 |1 |4200|
|3000 |1.1 |1 |6300|
|4000 |1.1 |1 |8400|
|5000 |1.1 |1 |10500|
|6000 |1.1 |1 |12600|
|7000 |1.1 |1 |14700|
|8000 |1.1 |1 |16800|
|9000 |1.1 |1 |18900|
|10000 |1.1 |1 |21000|
```

```
|1000 |1.2 |1 |2200|
|2000 |1.2 |1 |4400|
|3000 |1.2 |1 |6600|
|4000 |1.2 |1 |8800|
|5000 |1.2 |1 |11000|
|6000 |1.2 |1 |13200|
|7000 |1.2 |1 |15400|
|8000 |1.2 |1 |17600|
|9000 |1.2 |1 |19800|
|10000 |1.2 |1 |22000|
|1000 |1.3 |1 |2300|
|2000 |1.3 |1 |4600|
|3000 | 1.3 | 1 | 6900 |
|4000 |1.3 |1 |9200|
|5000 | 1.3 | 1 | 11500 |
|6000 |1.3 |1 |13800|
|7000 |1.3 |1 |16100|
|8000 |1.3 |1 |18400|
|9000 |1.3 |1 |20700|
|10000 |1.3 |1 |23000|
|1000 |1.4 |1 |2400|
|2000 |1.4 |1 |4800|
|3000 | 1.4 | 1 | 7200 |
|4000 |1.4 |1 |9600|
|5000 |1.4 |1 |12000|
|6000 |1.4 |1 |14400|
|7000 |1.4 |1 |16800|
|8000 |1.4 |1 |19200|
|9000 |1.4 |1 |21600|
|10000 |1.4 |1 |24000|
|1000 |1.5 |1 |2500|
|2000 |1.5 |1 |5000|
|3000 |1.5 |1 |7500|
|4000 |1.5 |1 |10000|
|5000 |1.5 |1 |12500|
|6000 |1.5 |1 |15000|
|7000 |1.5 |1 |17500|
|8000 |1.5 |1 |20000|
|9000 |1.5 |1 |22500|
|10000 |1.5 |1 |25000|
|1000 |1.6 |1 |2600|
|2000 |1.6 |1 |5200|
|3000 | 1.6 | 1 | 7800 |
|4000 |1.6 |1 |10400|
|5000 |1.6 |1 |13000|
|6000 |1.6 |1 |15600|
|7000 | 1.6 | 1 | 18200 |
|8000 | 1.6 | 1 | 20800 |
|9000 |1.6 |1 |23400|
|10000 |1.6 |1 |26000|
|1000 |1.7 |1 |2700|
|2000 |1.7 |1 |5400|
|3000 | 1.7 | 1 | 8100 |
|4000 |1.7 |1 |10800|
|5000 |1.7 |1 |13500|
|6000 |1.7 |1 |16200|
|7000 |1.7 |1 |18900|
|8000 | 1.7 | 1 | 21600 |
|9000 |1.7 |1 |24300|
|10000 |1.7 |1 |27000|
```

|1000 |1.8 |1 |2800|

```
|2000 |1.8 |1 |5600|
```

- |3000 |1.8 |1 |8400|
- |4000 |1.8 |1 |11200|
- |5000 |1.8 |1 |14000|
- |6000 |1.8 |1 |16800|
- |7000 | 1.8 | 1 | 19600 |
- |8000 |1.8 |1 |22400|
- |9000 |1.8 |1 |25200|
- |10000 |1.8 |1 |28000|
- |1000 |1.9 |1 |2900|
- |2000 |1.9 |1 |5800|
- |3000 |1.9 |1 |8700|
- |4000 |1.9 |1 |11600|
- |5000 |1.9 |1 |14500|
- |6000 |1.9 |1 |17400|
- |7000 |1.9 |1 |20300|
- |8000 | 1.9 | 1 | 23200 |
- |9000 |1.9 |1 |26100|
- |10000 |1.9 |1 |29000|
- |1000 |2 |1 |3000|
- |2000 |2 |1 |6000|
- |3000 |2 |1 |9000|
- |4000 |2 |1 |12000|
- |5000 |2 |1 |15000|
- |6000 |2 |1 |18000|
- |7000 |2 |1 |21000|
- |8000 |2 |1 |24000|
- |9000 |2 |1 |27000|
- |10000 |2 |1 |30000|
- |1000 |1 |2 |4000|
- |2000 |1 |2 |8000|
- |3000 |1 |2 |12000|
- |4000 |1 |2 |16000|
- |5000 |1 |2 |20000|
- |6000 |1 |2 |24000|
- |7000 |1 |2 |28000|
- |8000 |1 |2 |32000|
- |9000 |1 |2 |36000|
- |10000 |1 |2 |40000|
- |1000 |1.1 |2 |4200|
- |2000 |1.1 |2 |8400|
- |3000 |1.1 |2 |12600|
- |4000 |1.1 |2 |16800|
- |5000 |1.1 |2 |21000|
- |6000 |1.1 |2 |25200|
- |7000 |1.1 |2 |29400|
- |8000 |1.1 |2 |33600|
- |9000 |1.1 |2 |37800|
- |10000 |1.1 |2 |42000|
- |1000 |1.2 |2 |4400|
- |2000 |1.2 |2 |8800|
- |3000 |1.2 |2 |13200|
- |4000 |1.2 |2 |17600|
- |5000 |1.2 |2 |22000|
- |6000 |1.2 |2 |26400|
- |7000 |1.2 |2 |30800|
- |8000 |1.2 |2 |35200|
- |9000 |1.2 |2 |39600|
- |10000 |1.2 |2 |44000| |1000 |1.3 |2 |4600|
- |2000 |1.3 |2 |9200|

```
|3000 |1.3 |2 |13800|
```

- |4000 |1.3 |2 |18400|
- |5000 |1.3 |2 |23000|
- |6000 |1.3 |2 |27600|
- |7000 |1.3 |2 |32200|
- |8000 |1.3 |2 |36800|
- |9000 |1.3 |2 |41400|
- |10000 |1.3 |2 |46000|
- |1000 |1.4 |2 |4800|
- |2000 |1.4 |2 |9600|
- |3000 | 1.4 | 2 | 14400 |
- |4000 |1.4 |2 |19200|
- |5000 |1.4 |2 |24000|
- |6000 |1.4 |2 |28800|
- |7000 |1.4 |2 |33600|
- |8000 |1.4 |2 |38400|
- |9000 |1.4 |2 |43200|
- |10000 |1.4 |2 |48000|
- |1000 |1.5 |2 |5000|
- |2000 |1.5 |2 |10000|
- |3000 | 1.5 | 2 | 15000 |
- |4000 |1.5 |2 |20000|
- |5000 | 1.5 | 2 | 25000 |
- |6000 |1.5 |2 |30000|
- |7000 |1.5 |2 |35000|
- |8000 |1.5 |2 |40000|
- |9000 |1.5 |2 |45000|
- |10000 |1.5 |2 |50000|
- |1000 |1.6 |2 |5200|
- |2000 |1.6 |2 |10400|
- |3000 | 1.6 | 2 | 15600 |
- |4000 |1.6 |2 |20800|
- |5000 |1.6 |2 |26000|
- |6000 |1.6 |2 |31200|
- |7000 |1.6 |2 |36400|
- |8000 |1.6 |2 |41600|
- |9000 |1.6 |2 |46800|
- |10000 |1.6 |2 |52000|
- |1000 |1.7 |2 |5400|
- |2000 |1.7 |2 |10800|
- |3000 | 1.7 | 2 | 16200 |
- |4000 |1.7 |2 |21600|
- |5000 |1.7 |2 |27000|
- |6000 |1.7 |2 |32400|
- |7000 |1.7 |2 |37800|
- |8000 |1.7 |2 |43200|
- |9000 |1.7 |2 |48600|
- |10000 |1.7 |2 |54000|
- |1000 |1.8 |2 |5600|
- |2000 |1.8 |2 |11200|
- |3000 | 1.8 | 2 | 16800 |
- |4000 |1.8 |2 |22400|
- |5000 | 1.8 | 2 | 28000 |
- |6000 |1.8 |2 |33600|
- |7000 |1.8 |2 |39200|
- |8000 |1.8 |2 |44800|
- |9000 |1.8 |2 |50400|
- |10000 |1.8 |2 |56000|
- |1000 |1.9 |2 |5800|
- |2000 |1.9 |2 |11600|
- |3000 |1.9 |2 |17400|

```
|4000 |1.9 |2 |23200|
```

- |5000 |1.9 |2 |29000|
- |6000 |1.9 |2 |34800|
- |7000 |1.9 |2 |40600|
- |8000 |1.9 |2 |46400|
- |9000 |1.9 |2 |52200|
- |10000 |1.9 |2 |58000|
- |1000 |2 |2 |6000|
- |2000 |2 |2 |12000|
- |3000 |2 |2 |18000|
- |4000 |2 |2 |24000|
- |5000 |2 |2 |30000|
- |6000 |2 |2 |36000|
- |7000 |2 |2 |42000|
- |8000 |2 |2 |48000|
- |9000 |2 |2 |54000|
- |10000 |2 |2 |60000|
- |1000 |1 |3 |6000|
- |2000 |1 |3 |12000|
- |3000 |1 |3 |18000|
- |4000 |1 |3 |24000|
- |5000 |1 |3 |30000|
- |6000 |1 |3 |36000|
- |7000 |1 |3 |42000|
- |8000 |1 |3 |48000| |9000 |1 |3 |54000|
- |10000 |1 |3 |60000|
- |1000 |1.1 |3 |6300|
- |2000 |1.1 |3 |12600|
- |3000 |1.1 |3 |18900| |4000 |1.1 |3 |25200|
- |5000 |1.1 |3 |31500|
- |6000 |1.1 |3 |37800|
- |7000 |1.1 |3 |44100|
- |8000 |1.1 |3 |50400|
- |9000 |1.1 |3 |56700|
- |10000 |1.1 |3 |63000|
- |1000 |1.2 |3 |6600| |2000 |1.2 |3 |13200|
- |3000 | 1.2 | 3 | 19800 |
- |4000 |1.2 |3 |26400|
- |5000 |1.2 |3 |33000|
- |6000 |1.2 |3 |39600|
- |7000 |1.2 |3 |46200|
- |8000 |1.2 |3 |52800|
- |9000 |1.2 |3 |59400|
- |10000 |1.2 |3 |66000|
- |1000 |1.3 |3 |6900|
- |2000 | 1.3 | 3 | 13800 |
- |3000 |1.3 |3 |20700|
- |4000 | 1.3 | 3 | 27600 |
- |5000 |1.3 |3 |34500|
- |6000 |1.3 |3 |41400|
- |7000 |1.3 |3 |48300|
- |8000 |1.3 |3 |55200|
- |9000 |1.3 |3 |62100|
- |10000 |1.3 |3 |69000|
- |1000 |1.4 |3 |7200|
- |2000 |1.4 |3 |14400| |3000 |1.4 |3 |21600|
- |4000 |1.4 |3 |28800|

```
|5000 |1.4 |3 |36000|
|6000 |1.4 |3 |43200|
|7000 |1.4 |3 |50400|
|8000 |1.4 |3 |57600|
|9000 |1.4 |3 |64800|
|10000 |1.4 |3 |72000|
```

|1000 |1.5 |3 |7500| |2000 |1.5 |3 |15000|

|3000 | 1.5 | 3 | 22500 |

|4000 |1.5 |3 |30000|

|5000 | 1.5 | 3 | 37500 | |6000 |1.5 |3 |45000|

|7000 | 1.5 | 3 | 52500 |

|8000 |1.5 |3 |60000| |9000 |1.5 |3 |67500|

|10000 |1.5 |3 |75000|

|1000 |1.6 |3 |7800|

|2000 | 1.6 | 3 | 15600 |

|3000 | 1.6 | 3 | 23400 |

|4000 |1.6 |3 |31200|

|5000 | 1.6 | 3 | 39000 |

|6000 |1.6 |3 |46800| |7000 | 1.6 | 3 | 54600 |

|8000 | 1.6 | 3 | 62400 |

|9000 |1.6 |3 |70200|

|10000 |1.6 |3 |78000|

|1000 |1.7 |3 |8100|

|2000 | 1.7 | 3 | 16200 |

|3000 |1.7 |3 |24300|

|4000 |1.7 |3 |32400|

|5000 |1.7 |3 |40500|

|6000 |1.7 |3 |48600| |7000 |1.7 |3 |56700|

|8000 | 1.7 | 3 | 64800 |

9000 | 1.7 | 3 | 72900 |

|10000 |1.7 |3 |81000|

|1000 |1.8 |3 |8400| |2000 |1.8 |3 |16800|

|3000 |1.8 |3 |25200|

|4000 | 1.8 | 3 | 33600 |

|5000 |1.8 |3 |42000|

|6000 |1.8 |3 |50400|

|7000 |1.8 |3 |58800|

|8000 |1.8 |3 |67200| |9000 |1.8 |3 |75600|

|10000 |1.8 |3 |84000|

|1000 |1.9 |3 |8700|

|2000 |1.9 |3 |17400|

|3000 | 1.9 | 3 | 26100 |

|4000 |1.9 |3 |34800| |5000 | 1.9 | 3 | 43500 |

|6000 |1.9 |3 |52200|

|7000 | 1.9 | 3 | 60900 |

|8000 | 1.9 | 3 | 69600 |

|9000 |1.9 |3 |78300| |10000 |1.9 |3 |87000|

|1000 |2 |3 |9000|

|2000 |2 |3 |18000|

|3000 |2 |3 |27000| |4000 |2 |3 |36000|

|5000 |2 |3 |45000|

```
|6000 |2 |3 |54000|
|7000 |2 |3 |63000|
|8000 |2 |3 |72000|
|9000 |2 |3 |81000|
|10000 |2 |3 |90000|
|1000 |1 |4 |8000|
|2000 |1 |4 |16000|
|3000 |1 |4 |24000|
|4000 |1 |4 |32000|
|5000 |1 |4 |40000|
|6000 |1 |4 |48000|
|7000 |1 |4 |56000|
|8000 |1 |4 |64000|
|9000 |1 |4 |72000|
|10000 |1 |4 |80000|
|1000 |1.1 |4 |8400|
|2000 |1.1 |4 |16800|
|3000 |1.1 |4 |25200|
|4000 |1.1 |4 |33600|
|5000 |1.1 |4 |42000|
|6000 |1.1 |4 |50400|
|7000 |1.1 |4 |58800|
|8000 |1.1 |4 |67200|
|9000 |1.1 |4 |75600|
|10000 |1.1 |4 |84000|
|1000 |1.2 |4 |8800|
|2000 |1.2 |4 |17600|
|3000 |1.2 |4 |26400|
|4000 |1.2 |4 |35200|
|5000 |1.2 |4 |44000|
|6000 |1.2 |4 |52800|
|7000 |1.2 |4 |61600|
|8000 |1.2 |4 |70400|
|9000 |1.2 |4 |79200|
|10000 |1.2 |4 |88000|
|1000 |1.3 |4 |9200|
|2000 | 1.3 | 4 | 18400 |
|3000 | 1.3 | 4 | 27600 |
|4000 |1.3 |4 |36800|
|5000 |1.3 |4 |46000|
|6000 |1.3 |4 |55200|
|7000 |1.3 |4 |64400|
|8000 |1.3 |4 |73600|
|9000 |1.3 |4 |82800|
|10000 |1.3 |4 |92000|
|1000 |1.4 |4 |9600|
|2000 |1.4 |4 |19200|
|3000 | 1.4 | 4 | 28800 |
|4000 |1.4 |4 |38400|
|5000 |1.4 |4 |48000|
|6000 |1.4 |4 |57600|
|7000 |1.4 |4 |67200|
|8000 | 1.4 | 4 | 76800 |
|9000 |1.4 |4 |86400|
|10000 |1.4 |4 |96000|
|1000 |1.5 |4 |10000|
|2000 |1.5 |4 |20000|
|3000 | 1.5 | 4 | 30000 |
|4000 |1.5 |4 |40000|
|5000 |1.5 |4 |50000|
|6000 |1.5 |4 |60000|
```

```
|7000 |1.5 |4 |70000|
```

- |8000 |1.5 |4 |80000|
- |9000 |1.5 |4 |90000|
- |10000 |1.5 |4 |100000|
- |1000 |1.6 |4 |10400|
- |2000 | 1.6 | 4 | 20800 |
- |3000 | 1.6 | 4 | 31200 |
- |4000 |1.6 |4 |41600|
- |5000 |1.6 |4 |52000|
- |6000 |1.6 |4 |62400|
- |7000 | 1.6 | 4 | 72800 |
- |8000 |1.6 |4 |83200|
- |9000 |1.6 |4 |93600|
- |10000 |1.6 |4 |104000|
- |1000 |1.7 |4 |10800|
- |2000 |1.7 |4 |21600|
- |3000 |1.7 |4 |32400|
- |4000 |1.7 |4 |43200|
- |5000 |1.7 |4 |54000|
- |6000 |1.7 |4 |64800|
- |7000 | 1.7 | 4 | 75600 |
- |8000 |1.7 |4 |86400|
- |9000 | 1.7 | 4 | 97200 |
- |10000 |1.7 |4 |108000|
- |1000 |1.8 |4 |11200|
- |2000 |1.8 |4 |22400|
- |3000 |1.8 |4 |33600|
- |4000 |1.8 |4 |44800|
- |5000 | 1.8 | 4 | 56000 |
- |6000 |1.8 |4 |67200|
- |7000 | 1.8 | 4 | 78400 |
- |8000 | 1.8 | 4 | 89600 |
- |9000 |1.8 |4 |100800|
- |10000 |1.8 |4 |112000|
- |1000 |1.9 |4 |11600|
- |2000 | 1.9 | 4 | 23200 |
- |3000 | 1.9 | 4 | 34800 |
- |4000 |1.9 |4 |46400|
- |5000 | 1.9 | 4 | 58000 |
- |6000 |1.9 |4 |69600|
- |7000 | 1.9 | 4 | 81200 |
- |8000 |1.9 |4 |92800|
- |9000 |1.9 |4 |104400|
- |10000 |1.9 |4 |116000|
- |1000 |2 |4 |12000|
- |2000 |2 |4 |24000|
- |3000 |2 |4 |36000|
- |4000 |2 |4 |48000|
- |5000 |2 |4 |60000|
- |6000 |2 |4 |72000|
- |7000 |2 |4 |84000|
- |8000 |2 |4 |96000| |9000 |2 |4 |108000|
- |10000 |2 |4 |120000|
- |1000 |1 |5 |10000|
- |2000 |1 |5 |20000|
- |3000 |1 |5 |30000|
- |4000 |1 |5 |40000|
- |5000 |1 |5 |50000| |6000 |1 |5 |60000|
- |7000 |1 |5 |70000|

```
|8000 |1 |5 |80000|
```

- |9000 |1 |5 |90000|
- |10000 |1 |5 |100000|
- |1000 |1.1 |5 |10500|
- |2000 |1.1 |5 |21000|
- |3000 | 1.1 | 5 | 31500 |
- |4000 |1.1 |5 |42000|
- |5000 |1.1 |5 |52500|
- |6000 |1.1 |5 |63000|
- |7000 |1.1 |5 |73500|
- |8000 | 1.1 | 5 | 84000 |
- |9000 |1.1 |5 |94500|
- |10000 |1.1 |5 |105000|
- |1000 |1.2 |5 |11000|
- |2000 |1.2 |5 |22000|
- |3000 |1.2 |5 |33000|
- |4000 |1.2 |5 |44000|
- |5000 |1.2 |5 |55000|
- |6000 |1.2 |5 |66000|
- |7000 |1.2 |5 |77000|
- |8000 |1.2 |5 |88000|
- |9000 |1.2 |5 |99000|
- |10000 |1.2 |5 |110000|
- |1000 |1.3 |5 |11500|
- |2000 |1.3 |5 |23000|
- |3000 | 1.3 | 5 | 34500 |
- |4000 |1.3 |5 |46000|
- |5000 |1.3 |5 |57500|
- |6000 |1.3 |5 |69000|
- |7000 | 1.3 | 5 | 80500 |
- |8000 | 1.3 | 5 | 92000 |
- |9000 |1.3 |5 |103500|
- |10000 |1.3 |5 |115000|
- |1000 |1.4 |5 |12000|
- |2000 | 1.4 | 5 | 24000 | |3000 | 1.4 | 5 | 36000 |
- |4000 |1.4 |5 |48000|
- |5000 |1.4 |5 |60000|
- |6000 |1.4 |5 |72000|
- |7000 | 1.4 | 5 | 84000 |
- |8000 |1.4 |5 |96000|
- |9000 |1.4 |5 |108000|
- |10000 |1.4 |5 |120000|
- |1000 |1.5 |5 |12500|
- |2000 |1.5 |5 |25000|
- |3000 | 1.5 | 5 | 37500 |
- |4000 |1.5 |5 |50000|
- |5000 |1.5 |5 |62500|
- |6000 |1.5 |5 |75000|
- |7000 |1.5 |5 |87500|
- |8000 |1.5 |5 |100000|
- |9000 |1.5 |5 |112500|
- |10000 |1.5 |5 |125000|
- |1000 |1.6 |5 |13000|
- |2000 | 1.6 | 5 | 26000 |
- |3000 |1.6 |5 |39000|
- |4000 |1.6 |5 |52000|
- |5000 |1.6 |5 |65000|
- |6000 |1.6 |5 |78000|
- |7000 |1.6 |5 |91000|
- |8000 |1.6 |5 |104000|

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|9000 |1.6 |5 |117000|
```

- |10000 |1.6 |5 |130000|
- |1000 |1.7 |5 |13500|
- |2000 |1.7 |5 |27000| |3000 | 1.7 | 5 | 40500 |
- |4000 | 1.7 | 5 | 54000 |
- |5000 | 1.7 | 5 | 67500 |
- |6000 |1.7 |5 |81000|
- |7000 |1.7 |5 |94500|
- |8000 |1.7 |5 |108000|
- |9000 |1.7 |5 |121500|
- |10000 |1.7 |5 |135000|
- |1000 |1.8 |5 |14000|
- |2000 | 1.8 | 5 | 28000 |
- |3000 | 1.8 | 5 | 42000 |
- |4000 |1.8 |5 |56000|
- |5000 |1.8 |5 |70000|
- |6000 |1.8 |5 |84000|
- |7000 |1.8 |5 |98000| |8000 |1.8 |5 |112000|
- |9000 |1.8 |5 |126000|
- |10000 |1.8 |5 |140000|
- |1000 |1.9 |5 |14500|
- |2000 | 1.9 | 5 | 29000 |
- |3000 |1.9 |5 |43500|
- |4000 |1.9 |5 |58000|
- |5000 |1.9 |5 |72500|
- |6000 |1.9 |5 |87000|
- |7000 | 1.9 | 5 | 101500 |
- |8000 |1.9 |5 |116000|
- |9000 |1.9 |5 |130500|
- |10000 |1.9 |5 |145000|
- |1000 |2 |5 |15000|
- |2000 |2 |5 |30000|
- |3000 |2 |5 |45000|
- |4000 |2 |5 |60000|
- |5000 |2 |5 |75000|
- |6000 |2 |5 |90000|
- |7000 |2 |5 |105000|
- |8000 |2 |5 |120000|
- |9000 |2 |5 |135000|
- |10000 |2 |5 |150000|
- |1000 |1 |6 |12000|
- |2000 |1 |6 |24000| |3000 |1 |6 |36000|
- |4000 |1 |6 |48000|
- |5000 |1 |6 |60000|
- |6000 |1 |6 |72000|
- |7000 |1 |6 |84000|
- |8000 |1 |6 |96000|
- |9000 |1 |6 |108000|
- |10000 |1 |6 |120000| |1000 |1.1 |6 |12600|
- |2000 |1.1 |6 |25200| |3000 |1.1 |6 |37800|
- |4000 |1.1 |6 |50400|
- |5000 |1.1 |6 |63000|
- |6000 |1.1 |6 |75600|
- |7000 |1.1 |6 |88200|
- |8000 |1.1 |6 |100800|
- |9000 |1.1 |6 |113400|

```
|10000 |1.1 |6 |126000|
```

- |1000 |1.2 |6 |13200|
- |2000 |1.2 |6 |26400|
- |3000 |1.2 |6 |39600|
- |4000 |1.2 |6 |52800|
- |5000 |1.2 |6 |66000|
- |6000 |1.2 |6 |79200|
- |7000 |1.2 |6 |92400|
- |8000 |1.2 |6 |105600|
- |9000 |1.2 |6 |118800|
- |10000 |1.2 |6 |132000|
- |1000 |1.3 |6 |13800|
- |2000 |1.3 |6 |27600|
- |3000 | 1.3 | 6 | 41400 |
- |4000 | 1.3 | 6 | 55200 |
- |5000 |1.3 |6 |69000|
- |6000 |1.3 |6 |82800|
- |7000 | 1.3 | 6 | 96600 |
- |8000 |1.3 |6 |110400|
- |9000 |1.3 |6 |124200|
- |10000 |1.3 |6 |138000|
- |1000 |1.4 |6 |14400|
- |2000 |1.4 |6 |28800|
- |3000 | 1.4 | 6 | 43200 |
- |4000 |1.4 |6 |57600|
- |5000 |1.4 |6 |72000|
- |6000 |1.4 |6 |86400|
- |7000 |1.4 |6 |100800|
- |8000 |1.4 |6 |115200|
- |9000 |1.4 |6 |129600|
- |10000 |1.4 |6 |144000|
- |1000 |1.5 |6 |15000|
- |2000 |1.5 |6 |30000|
- |3000 | 1.5 | 6 | 45000 |
- |4000 |1.5 |6 |60000|
- |5000 | 1.5 | 6 | 75000 |
- |6000 |1.5 |6 |90000|
- |7000 |1.5 |6 |105000|
- |8000 |1.5 |6 |120000|
- |9000 |1.5 |6 |135000|
- |10000 |1.5 |6 |150000|
- |1000 |1.6 |6 |15600|
- |2000 | 1.6 | 6 | 31200 | |3000 | 1.6 | 6 | 46800 |
- |4000 | 1.6 | 6 | 62400 |
- |5000 | 1.6 | 6 | 78000 |
- |6000 | 1.6 | 6 | 93600 |
- |7000 |1.6 |6 |109200|
- |8000 |1.6 |6 |124800|
- |9000 |1.6 |6 |140400|
- |10000 |1.6 |6 |156000|
- |1000 |1.7 |6 |16200| |2000 | 1.7 | 6 | 32400 |
- |3000 | 1.7 | 6 | 48600 |
- |4000 | 1.7 | 6 | 64800 |
- |5000 | 1.7 | 6 | 81000 |
- |6000 |1.7 |6 |97200|
- |7000 |1.7 |6 |113400|
- |8000 |1.7 |6 |129600|
- |9000 |1.7 |6 |145800|
- |10000 |1.7 |6 |162000|

- |1000 |1.8 |6 |16800|
- |2000 |1.8 |6 |33600|
- |3000 |1.8 |6 |50400|
- |4000 |1.8 |6 |67200|
- |5000 |1.8 |6 |84000|
- |6000 |1.8 |6 |100800|
- |7000 | 1.8 | 6 | 117600 |
- |8000 |1.8 |6 |134400|
- |9000 |1.8 |6 |151200|
- |10000 |1.8 |6 |168000|
- |1000 |1.9 |6 |17400|
- |2000 | 1.9 | 6 | 34800 |
- |3000 | 1.9 | 6 | 52200 |
- |4000 |1.9 |6 |69600|
- |5000 | 1.9 | 6 | 87000 |
- |6000 |1.9 |6 |104400|
- |7000 |1.9 |6 |121800|
- |8000 |1.9 |6 |139200|
- |9000 |1.9 |6 |156600|
- |10000 |1.9 |6 |174000|
- |1000 |2 |6 |18000|
- |2000 |2 |6 |36000|
- |3000 |2 |6 |54000|
- |4000 |2 |6 |72000|
- |5000 |2 |6 |90000|
- |6000 |2 |6 |108000|
- |7000 |2 |6 |126000|
- |8000 |2 |6 |144000|
- |9000 |2 |6 |162000|
- |10000 |2 |6 |180000|
- |1000 |1 |7 |14000|
- |2000 |1 |7 |28000|
- |3000 |1 |7 |42000|
- |4000 |1 |7 |56000|
- |5000 |1 |7 |70000|
- |6000 |1 |7 |84000|
- |7000 |1 |7 |98000|
- |8000 |1 |7 |112000|
- |9000 |1 |7 |126000|
- |10000 |1 |7 |140000|
- |1000 |1.1 |7 |14700|
- |2000 |1.1 |7 |29400|
- |3000 | 1.1 | 7 | 44100 |
- |4000 |1.1 |7 |58800|
- |5000 |1.1 |7 |73500|
- |6000 |1.1 |7 |88200|
- |7000 |1.1 |7 |102900|
- |8000 |1.1 |7 |117600|
- |9000 |1.1 |7 |132300|
- |10000 |1.1 |7 |147000|
- |1000 |1.2 |7 |15400|
- |2000 |1.2 |7 |30800|
- |3000 | 1.2 | 7 | 46200 |
- |4000 |1.2 |7 |61600|
- |5000 |1.2 |7 |77000|
- 6000 |1.2 |7 |92400|
- |7000 |1.2 |7 |107800|
- |8000 |1.2 |7 |123200|
- |9000 |1.2 |7 |138600| |10000 |1.2 |7 |154000|
- |1000 |1.3 |7 |16100|

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|2000 |1.3 |7 |32200|
```

- |3000 | 1.3 | 7 | 48300 |
- |4000 |1.3 |7 |64400|
- 14000 | 1.3 | 7 | 04400
- |5000 |1.3 |7 |80500|
- |6000 |1.3 |7 |96600|
- |7000 |1.3 |7 |112700|
- |8000 |1.3 |7 |128800|
- |9000 |1.3 |7 |144900|
- |10000|1.3|7|161000|
- |1000 |1.4 |7 |16800|
- |2000 | 1.4 | 7 | 33600 |
- |3000 | 1.4 | 7 | 50400 |
- 14000 11.4 | 7 | 65200
- |4000 |1.4 |7 |67200|
- |5000 |1.4 |7 |84000|
- |6000 |1.4 |7 |100800|
- |7000 |1.4 |7 |117600|
- |8000 |1.4 |7 |134400|
- |9000 |1.4 |7 |151200|
- |10000 |1.4 |7 |168000|
- |1000 |1.5 |7 |17500|
- |2000 |1.5 |7 |35000|
- |3000 | 1.5 | 7 | 52500 |
- |4000 |1.5 |7 |70000|
- |5000 |1.5 |7 |87500|
- |6000 |1.5 |7 |105000|
- | 0000 | 1.5 | 1 | 100000
- |7000|1.5|7|122500|
- |8000|1.5|7|140000|
- |9000|1.5|7|157500|
- |10000 |1.5 |7 |175000|
- |1000 |1.6 |7 |18200|
- |2000 | 1.6 | 7 | 36400 |
- |3000|1.6|7|54600|
- |4000|1.6|7|72800|
- |5000 |1.6 |7 |91000|
- |6000 |1.6 |7 |109200|
- |7000 |1.6 |7 |127400|
- |8000 |1.6 |7 |145600|
- |9000 |1.6 |7 |163800|
- $|10000\ |1.6\ |7\ |182000|$
- |1000 |1.7 |7 |18900|
- |2000|1.7|7|37800|
- |3000 |1.7 |7 |56700|
- |4000 |1.7 |7 |75600|
- |5000 |1.7 |7 |94500|
- |6000 |1.7 |7 |113400|
- |7000 |1.7 |7 |132300|
- |8000 |1.7 |7 |151200|
- |9000 |1.7 |7 |170100|
- |10000 |1.7 |7 |189000|
- |1000 |1.8 |7 |19600|
- |2000 |1.8 |7 |39200|
- |3000 | 1.8 | 7 | 58800 |
- |4000 |1.8 |7 |78400|
- |5000 |1.8 |7 |98000|
- |6000 |1.8 |7 |117600|
- |7000 |1.8 |7 |137200|
- |8000 |1.8 |7 |156800|
- |9000 |1.8 |7 |176400|
- |10000 |1.8 |7 |196000| |1000 |1.9 |7 |20300|
- |2000 |1.9 |7 |40600|

```
|3000 | 1.9 | 7 | 60900 |
```

- |4000 | 1.9 | 7 | 81200 |
- |5000 |1.9 |7 |101500|
- |6000 |1.9 |7 |121800|
- |7000 |1.9 |7 |142100|
- |8000 | 1.9 | 7 | 162400 |
- |9000 |1.9 |7 |182700|
- |10000 |1.9 |7 |203000|
- |1000 |2 |7 |21000|
- |2000 |2 |7 |42000|
- |3000 |2 |7 |63000|
- |4000 |2 |7 |84000|
- |5000 |2 |7 |105000|
- |6000 |2 |7 |126000|
- |7000 |2 |7 |147000|
- |8000 |2 |7 |168000|
- |9000 |2 |7 |189000|
- |10000 |2 |7 |210000|
- |1000 |1 |8 |16000|
- |2000 |1 |8 |32000|
- |3000 |1 |8 |48000|
- |4000 |1 |8 |64000|
- |5000 |1 |8 |80000|
- |6000 |1 |8 |96000|
- |7000 |1 |8 |112000|
- |8000 |1 |8 |128000|
- |9000 |1 |8 |144000|
- |10000 |1 |8 |160000|
- |1000 |1.1 |8 |16800|
- |2000 |1.1 |8 |33600|
- |3000 |1.1 |8 |50400|
- |4000 |1.1 |8 |67200| |5000 |1.1 |8 |84000|
- |6000 |1.1 |8 |100800|
- |7000 |1.1 |8 |117600|
- |8000 |1.1 |8 |134400|
- |9000 |1.1 |8 |151200| |10000 |1.1 |8 |168000|
- |1000 |1.2 |8 |17600|
- |2000 |1.2 |8 |35200|
- |3000 | 1.2 | 8 | 52800 |
- |4000 |1.2 |8 |70400|
- |5000 |1.2 |8 |88000|
- |6000 |1.2 |8 |105600|
- |7000 |1.2 |8 |123200|
- |8000 |1.2 |8 |140800|
- |9000 |1.2 |8 |158400|
- |10000 |1.2 |8 |176000|
- |1000 |1.3 |8 |18400|
- |2000 |1.3 |8 |36800|
- |3000 | 1.3 | 8 | 55200 |
- |4000 | 1.3 | 8 | 73600 |
- |5000 | 1.3 | 8 | 92000 |
- |6000 |1.3 |8 |110400|
- |7000 | 1.3 | 8 | 128800 |
- |8000 |1.3 |8 |147200| |9000 |1.3 |8 |165600|
- |10000 |1.3 |8 |184000|
- |1000 |1.4 |8 |19200|
- |2000 |1.4 |8 |38400|
- |3000 |1.4 |8 |57600|

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|4000 |1.4 |8 |76800|
```

- |5000 |1.4 |8 |96000|
- |6000 |1.4 |8 |115200|
- |7000 |1.4 |8 |134400|
- |8000 |1.4 |8 |153600|
- |9000 |1.4 |8 |172800|
- |10000 |1.4 |8 |192000|
- |1000 |1.5 |8 |20000|
- |2000 |1.5 |8 |40000|
- |3000 |1.5 |8 |60000|
- |4000 | 1.5 | 8 | 80000 |
- |5000 |1.5 |8 |100000|
- |6000 |1.5 |8 |120000|
- |7000 | 1.5 | 8 | 140000 |
- |8000 |1.5 |8 |160000|
- |9000 |1.5 |8 |180000|
- |10000 |1.5 |8 |200000|
- |1000 |1.6 |8 |20800|
- |2000 | 1.6 | 8 | 41600 |
- |3000 | 1.6 | 8 | 62400 |
- |4000 |1.6 |8 |83200|
- |5000 | 1.6 | 8 | 104000 |
- |6000 | 1.6 | 8 | 124800 |
- |7000 | 1.6 | 8 | 145600 |
- |8000 |1.6 |8 |166400|
- |9000 |1.6 |8 |187200|
- |10000 |1.6 |8 |208000|
- |1000 |1.7 |8 |21600|
- |2000 |1.7 |8 |43200|
- |3000 | 1.7 | 8 | 64800 |
- |4000 | 1.7 | 8 | 86400 |
- |5000 | 1.7 | 8 | 108000 |
- |6000 |1.7 |8 |129600|
- |7000 | 1.7 | 8 | 151200 |
- 8000 | 1.7 | 8 | 172800 |
- |9000 |1.7 |8 |194400|
- |10000 |1.7 |8 |216000|
- |1000 |1.8 |8 |22400|
- |2000 |1.8 |8 |44800|
- |3000 | 1.8 | 8 | 67200 |
- |4000 |1.8 |8 |89600|
- |5000 |1.8 |8 |112000|
- |6000 |1.8 |8 |134400|
- |7000 |1.8 |8 |156800| |8000 | 1.8 | 8 | 179200 |
- |9000 |1.8 |8 |201600|
- |10000 |1.8 |8 |224000|
- |1000 |1.9 |8 |23200|
- |2000 | 1.9 | 8 | 46400 |
- |3000 | 1.9 | 8 | 69600 |
- |4000 |1.9 |8 |92800|
- |5000 | 1.9 | 8 | 116000 | |6000 |1.9 |8 |139200|
- |7000 | 1.9 | 8 | 162400 |
- |8000 |1.9 |8 |185600|
- |9000 |1.9 |8 |208800|
- |10000 |1.9 |8 |232000|
- |1000 |2 |8 |24000|
- |2000 |2 |8 |48000| |3000 |2 |8 |72000|
- |4000 |2 |8 |96000|

```
|5000 |2 |8 |120000|
|6000 |2 |8 |144000|
|7000 |2 |8 |168000|
|8000 |2 |8 |192000|
|9000 |2 |8 |216000|
|10000 |2 |8 |240000|
|1000 |1 |9 |18000|
|2000 |1 |9 |36000|
|3000 |1 |9 |54000|
|4000 |1 |9 |72000|
|5000 |1 |9 |90000|
|6000 |1 |9 |108000|
|7000 |1 |9 |126000|
|8000 |1 |9 |144000|
|9000 |1 |9 |162000|
|10000 |1 |9 |180000|
|1000 |1.1 |9 |18900|
|2000 |1.1 |9 |37800|
|3000 | 1.1 | 9 | 56700 |
|4000 |1.1 |9 |75600|
|5000 |1.1 |9 |94500|
|6000 |1.1 |9 |113400|
|7000 |1.1 |9 |132300|
|8000 |1.1 |9 |151200|
|9000 |1.1 |9 |170100|
|10000 |1.1 |9 |189000|
|1000 |1.2 |9 |19800|
|2000 |1.2 |9 |39600|
|3000 |1.2 |9 |59400|
|4000 |1.2 |9 |79200|
|5000 |1.2 |9 |99000|
|6000 |1.2 |9 |118800|
|7000 |1.2 |9 |138600|
|8000 |1.2 |9 |158400|
|9000 |1.2 |9 |178200|
|10000 |1.2 |9 |198000|
|1000 |1.3 |9 |20700|
|2000 | 1.3 | 9 | 41400 |
|3000 |1.3 |9 |62100|
|4000 | 1.3 | 9 | 82800 |
|5000 |1.3 |9 |103500|
|6000 |1.3 |9 |124200|
|7000 |1.3 |9 |144900|
|8000 |1.3 |9 |165600|
|9000 |1.3 |9 |186300|
|10000 |1.3 |9 |207000|
|1000 |1.4 |9 |21600|
|2000 |1.4 |9 |43200|
|3000 | 1.4 | 9 | 64800 |
|4000 |1.4 |9 |86400|
|5000 |1.4 |9 |108000|
|6000 |1.4 |9 |129600|
|7000 |1.4 |9 |151200|
|8000 |1.4 |9 |172800|
|9000 |1.4 |9 |194400|
|10000 |1.4 |9 |216000|
|1000 |1.5 |9 |22500|
|2000 |1.5 |9 |45000|
|3000 | 1.5 | 9 | 67500 |
|4000 |1.5 |9 |90000|
```

|5000 |1.5 |9 |112500|

- |6000 |1.5 |9 |135000|
- |7000 |1.5 |9 |157500|
- |8000 |1.5 |9 |180000|
- |9000 |1.5 |9 |202500|
- 10000 | 1.5 | 9 | 225000 |
- |1000 |1.6 |9 |23400|
- |2000 | 1.6 | 9 | 46800 |
- |3000 | 1.6 | 9 | 70200 |
- |4000 |1.6 |9 |93600|
- 5000 11.6 9 117000
- |6000 |1.6 |9 |140400|
- 7000 | 1.6 | 9 | 163800 |
- 8000 | 1.6 | 9 | 187200 |
- |9000 |1.6 |9 |210600|
- 10000 | 1.6 | 9 | 234000 |
- 1000 | 1.7 | 9 | 24300 |
- |2000 |1.7 |9 |24500|
- |3000 | 1.7 | 9 | 72900 |
- 14000 | 1.7 | 0 | 12000
- |4000 |1.7 |9 |97200|
- |5000 |1.7 |9 |121500|
- |6000 |1.7 |9 |145800|
- |7000 |1.7 |9 |170100|
- 8000 | 1.7 | 9 | 194400 |
- |9000 |1.7 |9 |218700|
- |10000 |1.7 |9 |243000|
- |1000 |1.8 |9 |25200|
- |2000 |1.8 |9 |50400|
- 3000 1.8 9 75600
- 4000 | 1.8 | 9 | 100800 |
- 7000 11.0 0 10 1100000
- |5000 |1.8 |9 |126000|
- |6000 |1.8 |9 |151200|
- |7000 |1.8 |9 |176400|
- |8000|1.8|9|201600|
- |9000 |1.8 |9 |226800|
- |10000 |1.8 |9 |252000|
- |1000 |1.9 |9 |26100|
- |2000 |1.9 |9 |52200|
- |3000 |1.9 |9 |78300|
- |4000 |1.9 |9 |104400|
- 5000 1.9 9 130500
- | 0000 | 1.0 | 0 | 1.50000
- |6000 |1.9 |9 |156600|
- |7000 |1.9 |9 |182700|
- |8000 |1.9 |9 |208800|
- |9000 |1.9 |9 |234900|
- |10000 |1.9 |9 |261000|
- |1000 |2 |9 |27000|
- |2000 |2 |9 |54000|
- |3000 |2 |9 |81000|
- |4000 |2 |9 |108000|
- |5000 |2 |9 |135000|
- |6000 |2 |9 |162000| |7000 |2 |9 |189000|
- 8000 2 9 216000
- 9000 2 9 243000
- |10000 |2 |9 |270000|
- 1000 | 1 | 10 | 20000 |
- |2000 |1 |10 |20000|
- |3000 |1 |10 |60000|
- |4000 |1 |10 |80000|
- |5000 |1 |10 |100000|
- |6000 |1 |10 |120000|

```
|7000 |1 |10 |140000|
|8000 |1 |10 |160000|
|9000 |1 |10 |180000|
|10000 |1 |10 |200000|
|1000 |1.1 |10 |21000|
|2000 | 1.1 | 10 | 42000 |
|3000 |1.1 |10 |63000|
|4000 |1.1 |10 |84000|
|5000 |1.1 |10 |105000|
|6000 |1.1 |10 |126000|
|7000 |1.1 |10 |147000|
|8000 |1.1 |10 |168000|
|9000 |1.1 |10 |189000|
|10000 |1.1 |10 |210000|
|1000 |1.2 |10 |22000|
|2000 |1.2 |10 |44000|
|3000 | 1.2 | 10 | 66000 |
|4000 |1.2 |10 |88000|
|5000 |1.2 |10 |110000|
|6000 |1.2 |10 |132000|
|7000 |1.2 |10 |154000|
|8000 |1.2 |10 |176000|
|9000 |1.2 |10 |198000|
|10000 |1.2 |10 |220000|
|1000 |1.3 |10 |23000|
|2000 |1.3 |10 |46000|
|3000 |1.3 |10 |69000|
|4000 |1.3 |10 |92000|
|5000 |1.3 |10 |115000|
|6000 |1.3 |10 |138000|
|7000 | 1.3 | 10 | 161000 |
|8000 |1.3 |10 |184000|
|9000 |1.3 |10 |207000|
|10000 |1.3 |10 |230000|
|1000 |1.4 |10 |24000|
|2000 |1.4 |10 |48000|
|3000 |1.4 |10 |72000|
|4000 |1.4 |10 |96000|
|5000 |1.4 |10 |120000|
|6000 |1.4 |10 |144000|
|7000 |1.4 |10 |168000|
|8000 |1.4 |10 |192000|
|9000 |1.4 |10 |216000|
|10000 |1.4 |10 |240000|
|1000 |1.5 |10 |25000|
|2000 |1.5 |10 |50000|
|3000 | 1.5 | 10 | 75000 |
|4000 |1.5 |10 |100000|
|5000 |1.5 |10 |125000|
|6000 |1.5 |10 |150000|
|7000 | 1.5 | 10 | 175000 |
|8000 |1.5 |10 |200000|
|9000 |1.5 |10 |225000|
|10000 |1.5 |10 |250000|
|1000 |1.6 |10 |26000|
|2000 |1.6 |10 |52000|
|3000 |1.6 |10 |78000|
|4000 |1.6 |10 |104000|
|5000 |1.6 |10 |130000|
|6000 |1.6 |10 |156000|
|7000 |1.6 |10 |182000|
```

```
|8000 |1.6 |10 |208000|
|9000 |1.6 |10 |234000|
|10000 |1.6 |10 |260000|
|1000 |1.7 |10 |27000|
|2000 |1.7 |10 |54000|
|3000 |1.7 |10 |81000|
|4000 |1.7 |10 |108000|
|5000 | 1.7 | 10 | 135000 |
|6000 | 1.7 | 10 | 162000 |
|7000 |1.7 |10 |189000|
|8000 |1.7 |10 |216000|
|9000 |1.7 |10 |243000|
|10000 |1.7 |10 |270000|
|1000 |1.8 |10 |28000|
|2000 |1.8 |10 |56000|
|3000 | 1.8 | 10 | 84000 |
|4000 |1.8 |10 |112000|
|5000 | 1.8 | 10 | 140000 |
|6000 |1.8 |10 |168000|
|7000 |1.8 |10 |196000|
|8000 |1.8 |10 |224000|
|9000 |1.8 |10 |252000|
|10000 |1.8 |10 |280000|
|1000 |1.9 |10 |29000|
|2000 |1.9 |10 |58000|
|3000 |1.9 |10 |87000|
|4000 |1.9 |10 |116000|
|5000 |1.9 |10 |145000|
|6000 | 1.9 | 10 | 174000 |
|7000 | 1.9 | 10 | 203000 |
|8000 |1.9 |10 |232000|
|9000 |1.9 |10 |261000|
|10000 |1.9 |10 |290000|
|1000 |2 |10 |30000|
|2000 |2 |10 |60000|
|3000 |2 |10 |90000|
|4000 |2 |10 |120000|
|5000 |2 |10 |150000|
|6000 |2 |10 |180000|
|7000 |2 |10 |210000|
|8000 |2 |10 |240000|
|9000 |2 |10 |270000|
|10000 |2 |10 |300000|
```

#### Ouestion No. 4

An election is contested by five candidates. The candidates are numbered 1 to 5 and the voting is done by marking the candidate number on the ballot paper. Write a program to read the ballots and count the vote cast for each candidate using an array variable count. In case, a number read is outside the range 1 to 5, the ballot should be considered as a "spoilt ballot" and the program should also count the numbers of "spoilt ballots".

## $\mathbf{Code}$

int main()

{

```
//QUESTION An election is contested by five candidates. The candidates are numbered 1 to 5 and the voting is do #include <iostream> #include <array>
```

```
std::array<int , 5> count;
int spoiltVotes;
for(int i; std::cin >> i; )
{
    if(i > 5 || i < 1)
        spoiltVotes++;
    else
        count[i-1]++;
}</pre>
```

## $./\sin/4.0$

## Input

 $\begin{array}{c} 1 \\ 2 \\ 5 \\ 2 \\ 4 \end{array}$ 

 $4\\5\\4$ 

 $\begin{array}{c} 4 \\ 2 \\ 2 \end{array}$ 

Output