

Automated Testing

The test files are available at `/home/cs1911/public_html/14s1/assignments/ass1/tests`
or `http://www.cse.unsw.edu.au/~cs1911/14s1/assignments/ass1/tests/`

The number of tests passed is translated to a mark in a piecewise linear manner.

```
/home/cs1911/bin/dcc -o decimal_to_roman_dcc decimal_to_roman.c
/home/cs1911/bin/vcc -o decimal_to_roman_vcc decimal_to_roman.c
/home/cs1911/bin/dcc -o roman_to_decimal_dcc roman_to_decimal.c
/home/cs1911/bin/vcc -o roman_to_decimal_vcc roman_to_decimal.c
```

```
Test 1 (1) - passed
Test 2 (2) - passed
Test 3 (3) - passed
Test 4 (4) - passed
Test 5 (5) - passed
Test 6 (6) - passed
Test 7 (7) - passed
Test 8 (8) - passed
Test 9 (9) - passed
Test 10 (10) - passed
Test 11 (160) - passed
Test 12 (197) - passed
Test 13 (340) - passed
Test 14 (341) - passed
Test 15 (413) - passed
Test 16 (473) - passed
Test 17 (488) - passed
Test 18 (533) - passed
Test 19 (600) - passed
Test 20 (614) - passed
Test 21 (689) - passed
Test 22 (907) - passed
Test 23 (917) - passed
Test 24 (924) - passed
Test 25 (1069) - passed
Test 26 (1082) - passed
Test 27 (1111) - passed
Test 28 (1183) - passed
Test 29 (1389) - passed
Test 30 (1415) - passed
Test 31 (1462) - passed
Test 32 (1468) - passed
Test 33 (1482) - passed
Test 34 (1560) - passed
Test 35 (1591) - passed
Test 36 (1660) - passed
Test 37 (1709) - passed
Test 38 (1723) - passed
Test 39 (1794) - passed
Test 40 (2106) - passed
Test 41 (2141) - passed
Test 42 (2163) - passed
Test 43 (2230) - passed
Test 44 (2440) - passed
Test 45 (2665) - passed
Test 46 (2668) - passed
Test 47 (2740) - passed
Test 48 (2836) - passed
Test 49 (2880) - passed
Test 50 (2889) - passed
Test 51 (2992) - passed
Test 52 (3091) - passed
Test 53 (3247) - passed
Test 54 (3396) - passed
Test 55 (3446) - passed
Test 56 (3633) - passed
Test 57 (3655) - passed
Test 58 (3692) - passed
Test 59 (3843) - passed
Test 60 (3931) - passed
Test 61 (3990) - passed
Test 62 (3991) - passed
Test 63 (3992) - passed
Test 64 (3993) - passed
Test 65 (3994) - passed
Test 66 (3995) - passed
Test 67 (3996) - passed
Test 68 (3997) - passed
Test 69 (3998) - passed
Test 70 (3999) - passed
Test 71 (10 random numbers) - passed
Test 72 (20 random numbers) - passed
Test 73 (30 random numbers) - passed
```

Test 74 (40 random numbers) - passed
 Test 75 (50 random numbers) - passed
 Test 76 (60 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> 1845 is represented as MDCCCXLV in Roman numerals.
	> 1125 is represented as MCXXV in Roman numerals.
	> 109 is represented as CIX in Roman numerals.
	> 1659 is represented as MDCLIX in Roman numerals.
	> 3974 is represented as MMMCMLXXIV in Roman numeral
	> 1643 is represented as MDCXLIII in Roman numerals.
	> 2274 is represented as MMCCCLXXIV in Roman numerals
	> 2721 is represented as MMDCCXXI in Roman numerals.
	> 933 is represented as CMXXXIII in Roman numerals.
	> 3982 is represented as MMMCMLXXXII in Roman numera

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test76
```

Test 77 (70 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> 2907 is represented as MMCMVII in Roman numerals.
	> 2136 is represented as MMCXXXVI in Roman numerals.
	> 536 is represented as DXXXVI in Roman numerals.
	> 52 is represented as LII in Roman numerals.
	> 1022 is represented as MXXII in Roman numerals.
	> 455 is represented as CDLV in Roman numerals.
	> 2632 is represented as MMDCXXXII in Roman numerals
	> 1034 is represented as MXXXIV in Roman numerals.
	> 3108 is represented as MMMCVIII in Roman numerals.
	> 2219 is represented as MMCCXIX in Roman numerals.
	> 1922 is represented as MCMXXII in Roman numerals.
	> 2152 is represented as MMCLII in Roman numerals.
	> 2386 is represented as MMCCCLXXXVI in Roman numera
	> 467 is represented as CDLXVII in Roman numerals.
	> 3055 is represented as MMMLV in Roman numerals.
	> 216 is represented as CCXVI in Roman numerals.
	> 2521 is represented as MMDXXI in Roman numerals.
	> 973 is represented as CMLXXIII in Roman numerals.
	> 2828 is represented as MMDCCCXXVIII in Roman numer
	> 1765 is represented as MDCCLXV in Roman numerals.

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test77
```

Test 78 (80 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> 3331 is represented as MMMCCCXXXI in Roman numeral
	> 2017 is represented as MMXVII in Roman numerals.
	> 3266 is represented as MMMCCLXVI in Roman numerals
	> 3951 is represented as MMMCMLI in Roman numerals.
	> 3424 is represented as MMMCDXXIV in Roman numerals
	> 242 is represented as CCXLII in Roman numerals.
	> 2808 is represented as MMDCCCVIII in Roman numeral
	> 776 is represented as DCCLXXVI in Roman numerals.
	> 2282 is represented as MMCCCLXXXII in Roman numeral
	> 1969 is represented as MCMLXIX in Roman numerals.
	> 3575 is represented as MMMDLXXV in Roman numerals.
	> 3738 is represented as MMMDCCXXXVIII in Roman nume
	> 2350 is represented as MMCCCL in Roman numerals.
	> 1196 is represented as MCXCVI in Roman numerals.
	> 3216 is represented as MMCCXVI in Roman numerals.
	> 377 is represented as CCCLXXVII in Roman numerals.
	> 2891 is represented as MMDCCCXCI in Roman numerals
	> 3520 is represented as MMMDXX in Roman numerals.
	> 324 is represented as CCCXXIV in Roman numerals.
	> 69 is represented as LXIX in Roman numerals.
	> 1216 is represented as MCCXVI in Roman numerals.
	> 1259 is represented as MCCLIX in Roman numerals.
	> 1715 is represented as MDCCXV in Roman numerals.
	> 3072 is represented as MMMLXXII in Roman numerals.

```

> 363 is represented as CCCLXIII in Roman numerals.
> 3421 is represented as MMMCDXXI in Roman numerals.
> 842 is represented as DCCCXLII in Roman numerals.
> 1672 is represented as MDCLXXII in Roman numerals.
> 3971 is represented as MMMCMLXXI in Roman numerals.
> 2941 is represented as MMCMXLI in Roman numerals.

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test78
```

Test 79 (90 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output

Correct Output

```

> 3249 is represented as MMMCCXLIX in Roman numerals
> 2729 is represented as MMDCCXXIX in Roman numerals
> 2884 is represented as MMDCCCLXXXIV in Roman numerals
> 3850 is represented as MMMDCCCL in Roman numerals.
> 3590 is represented as MMMDXC in Roman numerals.
> 1098 is represented as MXCVIII in Roman numerals.
> 3653 is represented as MMMDCLIII in Roman numerals
> 3221 is represented as MMMCCXXI in Roman numerals.
> 1091 is represented as MXCI in Roman numerals.
> 3739 is represented as MMDCCXXXIX in Roman numerals
> 954 is represented as CMLIV in Roman numerals.
> 3541 is represented as MMMDXLI in Roman numerals.
> 2493 is represented as MMCDXCIII in Roman numerals
> 2648 is represented as MMDCLVIII in Roman numerals
> 2821 is represented as MMDCCXXI in Roman numerals
> 1774 is represented as MDCCCLXXIV in Roman numerals
> 2445 is represented as MMCDXLV in Roman numerals.
> 759 is represented as DCCLIX in Roman numerals.
> 162 is represented as CLXII in Roman numerals.
> 3457 is represented as MMMCDLVII in Roman numerals
> 1006 is represented as MVI in Roman numerals.
> 3309 is represented as MMMCCCIX in Roman numerals.
> 2910 is represented as MMCMX in Roman numerals.
> 1277 is represented as MCCLXXVII in Roman numerals
> 1950 is represented as MCML in Roman numerals.
> 2847 is represented as MMDCCCXLVII in Roman numerals
> 515 is represented as DXV in Roman numerals.
> 1013 is represented as MXIII in Roman numerals.
> 3445 is represented as MMMCDXLV in Roman numerals.
> 3589 is represented as MMMDLXXXIX in Roman numerals
> 2004 is represented as MMIV in Roman numerals.
> 403 is represented as CDIII in Roman numerals.
> 3132 is represented as MMMCXXXII in Roman numerals
> 134 is represented as CXXXIV in Roman numerals.
> 1146 is represented as MCXLVI in Roman numerals.
> 2258 is represented as MMCCLVIII in Roman numerals
> 893 is represented as DCCCXCIII in Roman numerals.
> 1526 is represented as MDXXVI in Roman numerals.
> 1465 is represented as MCDLXV in Roman numerals.
> 3414 is represented as MMMCDXIV in Roman numerals.

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test79
```

Test 80 (100 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output

Correct Output

```

> 138 is represented as CXXXVIII in Roman numerals.
> 3867 is represented as MMMDCCCLXVII in Roman numerals
> 3012 is represented as MMMXII in Roman numerals.
> 757 is represented as DCCLVII in Roman numerals.
> 992 is represented as CMXCII in Roman numerals.
> 677 is represented as DCLXXVII in Roman numerals.
> 2260 is represented as MMCCCLX in Roman numerals.
> 2575 is represented as MMDLXXV in Roman numerals.
> 3267 is represented as MMMCCLXVII in Roman numerals
> 3405 is represented as MMMCDV in Roman numerals.
> 1047 is represented as MXLVII in Roman numerals.
> 1653 is represented as MDCLIII in Roman numerals.
> 1198 is represented as MCXCVIII in Roman numerals.
> 3512 is represented as MMMDXII in Roman numerals.
> 2883 is represented as MMDCCCLXXXIII in Roman numerals
> 3243 is represented as MMMCCXLIII in Roman numerals

```

```

> 118 is represented as CXVIII in Roman numerals.
> 2737 is represented as MMDCCXXXVII in Roman numerals.
> 2974 is represented as MMCMLXXIV in Roman numerals.
> 998 is represented as CMXCVIII in Roman numerals.
> 3488 is represented as MMMCDLXXXVIII in Roman numerals.
> 2773 is represented as MMDCCCLXXIII in Roman numerals.
> 528 is represented as DXXVIII in Roman numerals.
> 1004 is represented as MIV in Roman numerals.
> 3983 is represented as MMMCMLXXXIII in Roman numerals.
> 2720 is represented as MMDCCXX in Roman numerals.
> 3709 is represented as MMMDCCIX in Roman numerals.
> 1909 is represented as MCMIX in Roman numerals.
> 3629 is represented as MMMDCXXIX in Roman numerals.
> 921 is represented as CMXXI in Roman numerals.
> 3439 is represented as MMMCDXXXIX in Roman numerals.
> 284 is represented as CCLXXXIV in Roman numerals.
> 3783 is represented as MMMDCCLXXXIII in Roman numerals.
> 2606 is represented as MMDCVI in Roman numerals.
> 3546 is represented as MMMDXLVI in Roman numerals.
> 3823 is represented as MMMDCCCXXIII in Roman numerals.
> 1116 is represented as MCXVI in Roman numerals.
> 3736 is represented as MMMDCCXXXVI in Roman numerals.
> 3615 is represented as MMMDCXV in Roman numerals.
> 3010 is represented as MMMX in Roman numerals.
> 1761 is represented as MDCLXI in Roman numerals.
> 2723 is represented as MMDCCXXIII in Roman numerals.
> 3276 is represented as MMMCCLXXVI in Roman numerals.
> 1028 is represented as MXXVIII in Roman numerals.
> 849 is represented as DCCCXLIX in Roman numerals.
> 1359 is represented as MCCCLIX in Roman numerals.
> 1990 is represented as MCMXC in Roman numerals.
> 326 is represented as CCCXXVI in Roman numerals.
> 3744 is represented as MMMDCCXLIV in Roman numerals.
> 2738 is represented as MMDCCXXXVIII in Roman numerals.

```

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test80

```

Test 81 (110 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```

> 3710 is represented as MMMDCCX in Roman numerals.
> 1666 is represented as MDCLXVI in Roman numerals.
> 2498 is represented as MMCDXCVIII in Roman numerals.
> 3894 is represented as MMMDCCCXCIV in Roman numerals.
> 1074 is represented as MLXXIV in Roman numerals.
> 1423 is represented as MCDXXIII in Roman numerals.
> 1122 is represented as MCXXII in Roman numerals.
> 2524 is represented as MMDXXIV in Roman numerals.
> 3527 is represented as MMMDXXVII in Roman numerals.
> 1315 is represented as MCCCXV in Roman numerals.
> 3013 is represented as MMMXIII in Roman numerals.
> 1582 is represented as MDLXXXII in Roman numerals.
> 2988 is represented as MMCMLXXXVIII in Roman numerals.
> 2504 is represented as MMDIV in Roman numerals.
> 1782 is represented as MDCCCLXXXII in Roman numerals.
> 3398 is represented as MMMCCCXCVIII in Roman numerals.
> 1697 is represented as MDCXCVII in Roman numerals.
> 1946 is represented as MCMXLVI in Roman numerals.
> 3979 is represented as MMMCMLXXIX in Roman numerals.
> 1797 is represented as MDCCXCVII in Roman numerals.
> 2928 is represented as MMCMXXVIII in Roman numerals.
> 764 is represented as DCCLXIV in Roman numerals.
> 3332 is represented as MMMCCCXXXII in Roman numerals.
> 993 is represented as CMXCIII in Roman numerals.
> 3802 is represented as MMMDCCCII in Roman numerals.
> 771 is represented as DCCLXXI in Roman numerals.
> 2420 is represented as MMCDXX in Roman numerals.
> 1458 is represented as MCDLVIII in Roman numerals.
> 2789 is represented as MMDCCCLXXXIX in Roman numerals.
> 3801 is represented as MMMDCCCI in Roman numerals.
> 3859 is represented as MMMDCCCLIX in Roman numerals.
> 1937 is represented as MCMXXXVII in Roman numerals.
> 1562 is represented as MDLXII in Roman numerals.
> 1479 is represented as MCDLXXIX in Roman numerals.
> 3770 is represented as MMMDCCLXX in Roman numerals.
> 852 is represented as DCCCLII in Roman numerals.
> 832 is represented as DCCCXXXII in Roman numerals.
> 3781 is represented as MMMDCCLXXXI in Roman numerals.
> 1043 is represented as MXLIII in Roman numerals.

```

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> 3073 is represented as MMMLXXXIII in Roman numerals
> 1779 is represented as MDCCCLXXIX in Roman numerals
> 1161 is represented as MCLXI in Roman numerals.
> 165 is represented as CLXV in Roman numerals.
> 1501 is represented as MDI in Roman numerals.
> 2894 is represented as MMDCCCXCIV in Roman numeral
> 2690 is represented as MMDCXC in Roman numerals.
> 3370 is represented as MMMCCCLXX in Roman numerals
> 2688 is represented as MMDCLXXXVIII in Roman numerals
> 761 is represented as DCCLXI in Roman numerals.
> 1427 is represented as MCDXXVII in Roman numerals.
> 1463 is represented as MCDLXIII in Roman numerals.
> 2351 is represented as MMCCCLI in Roman numerals.
> 1260 is represented as MCCLX in Roman numerals.
> 3578 is represented as MMMDLXXVIII in Roman numerals
> 3107 is represented as MMMCVII in Roman numerals.
> 597 is represented as DXCVII in Roman numerals.
> 2011 is represented as MMXI in Roman numerals.
> 1128 is represented as MCXXVIII in Roman numerals.
> 800 is represented as DCCC in Roman numerals.
> 2387 is represented as MMCCCLXXXVII in Roman numerals

```

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test81

```

Test 82 (120 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 3725 is represented as MMMDCCXXV in Roman numerals	> 3725 is represented as MMMDCCXXV in Roman numerals
> 279 is represented as CCLXXIX in Roman numerals.	> 279 is represented as CCLXXIX in Roman numerals.
> 323 is represented as CCCXXIII in Roman numerals.	> 323 is represented as CCCXXIII in Roman numerals.
> 227 is represented as CCXXVII in Roman numerals.	> 227 is represented as CCXXVII in Roman numerals.
> 3624 is represented as MMMDCXXIV in Roman numerals	> 3624 is represented as MMMDCXXIV in Roman numerals
> 345 is represented as CCCXLV in Roman numerals.	> 345 is represented as CCCXLV in Roman numerals.
> 504 is represented as DIV in Roman numerals.	> 504 is represented as DIV in Roman numerals.
> 837 is represented as DCCCXXXVII in Roman numerals	> 837 is represented as DCCCXXXVII in Roman numerals
> 3479 is represented as MMMCDLXXIX in Roman numeral	> 3479 is represented as MMMCDLXXIX in Roman numeral
> 2037 is represented as MMXXXVII in Roman numerals.	> 2037 is represented as MMXXXVII in Roman numerals.
> 1496 is represented as MCDXCVI in Roman numerals.	> 1496 is represented as MCDXCVI in Roman numerals.
> 583 is represented as DLXXXIII in Roman numerals.	> 583 is represented as DLXXXIII in Roman numerals.
> 3639 is represented as MMMDCXXXIX in Roman numeral	> 3639 is represented as MMMDCXXXIX in Roman numeral
> 1939 is represented as MCMXXXIX in Roman numerals.	> 1939 is represented as MCMXXXIX in Roman numerals.
> 1380 is represented as MCCCLXXX in Roman numerals.	> 1380 is represented as MCCCLXXX in Roman numerals.
> 1139 is represented as MCXXXIX in Roman numerals.	> 1139 is represented as MCXXXIX in Roman numerals.
> 2960 is represented as MMCMLX in Roman numerals.	> 2960 is represented as MMCMLX in Roman numerals.
> 2580 is represented as MMDLXXX in Roman numerals.	> 2580 is represented as MMDLXXX in Roman numerals.
> 2306 is represented as MMCCCVI in Roman numerals.	> 2306 is represented as MMCCCVI in Roman numerals.
> 135 is represented as CXXXV in Roman numerals.	> 135 is represented as CXXXV in Roman numerals.
> 81 is represented as LXXXI in Roman numerals.	> 81 is represented as LXXXI in Roman numerals.
> 2968 is represented as MMCMLXVIII in Roman numeral	> 2968 is represented as MMCMLXVIII in Roman numeral
> 2088 is represented as MMLXXXVIII in Roman numeral	> 2088 is represented as MMLXXXVIII in Roman numeral
> 2021 is represented as MMXXI in Roman numerals.	> 2021 is represented as MMXXI in Roman numerals.
> 1648 is represented as MDCXLVIII in Roman numerals	> 1648 is represented as MDCXLVIII in Roman numerals
> 1347 is represented as MCCCLXVII in Roman numerals	> 1347 is represented as MCCCLXVII in Roman numerals
> 1755 is represented as MDCCCLV in Roman numerals.	> 1755 is represented as MDCCCLV in Roman numerals.
> 2323 is represented as MMCCCLXXIII in Roman numeral	> 2323 is represented as MMCCCLXXIII in Roman numeral
> 3318 is represented as MMMCCCXVIII in Roman numeral	> 3318 is represented as MMMCCCXVIII in Roman numeral
> 3701 is represented as MMMDCCI in Roman numerals.	> 3701 is represented as MMMDCCI in Roman numerals.
> 3304 is represented as MMMCCCIV in Roman numerals.	> 3304 is represented as MMMCCCIV in Roman numerals.
> 1321 is represented as MCCXXI in Roman numerals.	> 1321 is represented as MCCXXI in Roman numerals.
> 2507 is represented as MMDVII in Roman numerals.	> 2507 is represented as MMDVII in Roman numerals.
> 268 is represented as CCLXVIII in Roman numerals.	> 268 is represented as CCLXVIII in Roman numerals.
> 3208 is represented as MMMCCVIII in Roman numerals	> 3208 is represented as MMMCCVIII in Roman numerals
> 632 is represented as DCXXXII in Roman numerals.	> 632 is represented as DCXXXII in Roman numerals.
> 172 is represented as CLXXII in Roman numerals.	> 172 is represented as CLXXII in Roman numerals.
> 634 is represented as DCXXXIV in Roman numerals.	> 634 is represented as DCXXXIV in Roman numerals.
> 3189 is represented as MMMCLXXXIX in Roman numeral	> 3189 is represented as MMMCLXXXIX in Roman numeral
> 3603 is represented as MMMDCIII in Roman numerals.	> 3603 is represented as MMMDCIII in Roman numerals.
> 2703 is represented as MMDCCLIII in Roman numerals.	> 2703 is represented as MMDCCLIII in Roman numerals.
> 768 is represented as DCCLXVIII in Roman numerals.	> 768 is represented as DCCLXVIII in Roman numerals.
> 1136 is represented as MCXXXVI in Roman numerals.	> 1136 is represented as MCXXXVI in Roman numerals.
> 2919 is represented as MMCMXIX in Roman numerals.	> 2919 is represented as MMCMXIX in Roman numerals.
> 3427 is represented as MMMCDXXVII in Roman numeral	> 3427 is represented as MMMCDXXVII in Roman numeral
> 3194 is represented as MMMCXIV in Roman numerals.	> 3194 is represented as MMMCXIV in Roman numerals.
> 1839 is represented as MDCCCXXXIX in Roman numeral	> 1839 is represented as MDCCCXXXIX in Roman numeral
> 3496 is represented as MMMCDXCVI in Roman numerals	> 3496 is represented as MMMCDXCVI in Roman numerals
> 3371 is represented as MMMCCCLXXI in Roman numeral	> 3371 is represented as MMMCCCLXXI in Roman numeral
> 3426 is represented as MMMCDXXVI in Roman numerals	> 3426 is represented as MMMCDXXVI in Roman numerals
> 1892 is represented as MDCCCXCII in Roman numerals	> 1892 is represented as MDCCCXCII in Roman numerals
> 877 is represented as DCCCLXXVII in Roman numerals	> 877 is represented as DCCCLXXVII in Roman numerals

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> 3513 is represented as MMMDXIII in Roman numerals.
> 2461 is represented as MMCDLXI in Roman numerals.
> 952 is represented as CMLII in Roman numerals.
> 3437 is represented as MMMCDXXXVII in Roman numera
> 1058 is represented as MLVIII in Roman numerals.
> 2852 is represented as MMDCCCLII in Roman numerals
> 1467 is represented as MCDLXVII in Roman numerals.
> 2965 is represented as MMCMLXV in Roman numerals.
> 712 is represented as DCCXII in Roman numerals.
> 1640 is represented as MDCXL in Roman numerals.
> 2203 is represented as MMCCIII in Roman numerals.
> 2220 is represented as MMCCXX in Roman numerals.
> 855 is represented as DCCCLV in Roman numerals.
> 2130 is represented as MMCXXX in Roman numerals.
> 2765 is represented as MMDCCCLXV in Roman numerals.
> 3818 is represented as MMMDCCCXVIII in Roman numer
> 1849 is represented as MDCCCXLIX in Roman numerals
> 3707 is represented as MMMDCCVII in Roman numerals

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test82
```

Test 83 (130 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```

> 1812 is represented as MDCCCXII in Roman numerals.
> 2031 is represented as MMXXXI in Roman numerals.
> 2522 is represented as MMDXXII in Roman numerals.
> 2433 is represented as MMCDXXXIII in Roman numeral
> 817 is represented as DCCCXVII in Roman numerals.
> 2331 is represented as MMCCCXXXI in Roman numerals
> 1712 is represented as MDCCXII in Roman numerals.
> 3847 is represented as MMMDCCCXLVII in Roman numer
> 1348 is represented as MCCCXLVIII in Roman numeral
> 2377 is represented as MMCCCLXXVII in Roman numera
> 3390 is represented as MMMCCCXC in Roman numerals.
> 2048 is represented as MMXLVIII in Roman numerals.
> 617 is represented as DCXVII in Roman numerals.
> 2563 is represented as MMDLXIII in Roman numerals.
> 3493 is represented as MMMCDXCIII in Roman numeral
> 3369 is represented as MMMCCCLXIX in Roman numeral
> 3034 is represented as MMMXXXIV in Roman numerals.
> 602 is represented as DCII in Roman numerals.
> 3007 is represented as MMMVII in Roman numerals.
> 1921 is represented as MCMXXI in Roman numerals.
> 2550 is represented as MMDL in Roman numerals.
> 1827 is represented as MDCCCXXVII in Roman numeral
> 1597 is represented as MDXCVII in Roman numerals.
> 2829 is represented as MMDCCCXIX in Roman numeral
> 765 is represented as DCCLXV in Roman numerals.
> 932 is represented as CMXXXII in Roman numerals.
> 2494 is represented as MMCDXCIV in Roman numerals.
> 2783 is represented as MMDCCCLXXXIII in Roman numer
> 941 is represented as CMXLI in Roman numerals.
> 294 is represented as CCXCIV in Roman numerals.
> 1208 is represented as MCCVIII in Roman numerals.
> 544 is represented as DXLIV in Roman numerals.
> 299 is represented as CCXCIX in Roman numerals.
> 290 is represented as CCXC in Roman numerals.
> 1847 is represented as MDCCCXLVII in Roman numeral
> 3411 is represented as MMMCDXI in Roman numerals.
> 3074 is represented as MMMLXXIV in Roman numerals.
> 641 is represented as DCXLI in Roman numerals.
> 1933 is represented as MCMXXXIII in Roman numerals
> 3163 is represented as MMMCLXIII in Roman numerals
> 1299 is represented as MCCXCIX in Roman numerals.
> 2112 is represented as MMCXII in Roman numerals.
> 2034 is represented as MMXXXIV in Roman numerals.
> 831 is represented as DCCCXXXI in Roman numerals.
> 3678 is represented as MMMDCLXXVIII in Roman numer
> 2980 is represented as MMCMLXXX in Roman numerals.
> 3142 is represented as MMMCXLI in Roman numerals.
> 1744 is represented as MDCCXLIV in Roman numerals.
> 587 is represented as DLXXVII in Roman numerals.
> 3230 is represented as MMMCCXXX in Roman numerals.
> 166 is represented as CLXVI in Roman numerals.
> 947 is represented as CMXLVII in Roman numerals.
> 2309 is represented as MMCCCIX in Roman numerals.
> 1447 is represented as MCDXLVII in Roman numerals.
> 2437 is represented as MMCDXXXVII in Roman numeral

```

```

> 3848 is represented as MMMDCCCXLVIII in Roman nume
> 2597 is represented as MMDXCVII in Roman numerals.
> 1667 is represented as MDCLXVII in Roman numerals.
> 2397 is represented as MMCCCXCVII in Roman numeral
> 3394 is represented as MMMCCCXCIV in Roman numeral
> 356 is represented as CCCLVI in Roman numerals.
> 794 is represented as DCCXCIV in Roman numerals.
> 2806 is represented as MMDCCCVI in Roman numerals.
> 2753 is represented as MMDCCCLIII in Roman numerals
> 2177 is represented as MMCLXXVII in Roman numerals
> 2235 is represented as MMCCXXXV in Roman numerals.
> 3754 is represented as MMMDCCLIV in Roman numerals
> 307 is represented as CCCVII in Roman numerals.
> 3722 is represented as MMMDCCXXII in Roman numeral
> 223 is represented as CCXXIII in Roman numerals.
> 2552 is represented as MMDLII in Roman numerals.
> 2223 is represented as MMCCXXIII in Roman numerals
> 482 is represented as CDLXXXII in Roman numerals.
> 1869 is represented as MDCCCLXIX in Roman numerals
> 2700 is represented as MMDCC in Roman numerals.
> 3114 is represented as MMMCIV in Roman numerals.
> 2947 is represented as MMCMXLVII in Roman numerals
> 2784 is represented as MMDCCCLXXXIV in Roman numera
> 3942 is represented as MMMCMLXII in Roman numerals
> 3631 is represented as MMMDCXXXI in Roman numerals

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test83
```

Test 84 (140 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```

> 1473 is represented as MCDLXXIII in Roman numerals
> 3265 is represented as MMMCCLXV in Roman numerals.
> 2245 is represented as MMCCXLV in Roman numerals.
> 3469 is represented as MMMCDLXIX in Roman numerals
> 3432 is represented as MMMCDXXXII in Roman numeral
> 3669 is represented as MMMDCLXIX in Roman numerals
> 1746 is represented as MDCCXLVI in Roman numerals.
> 1360 is represented as MCCCLX in Roman numerals.
> 3910 is represented as MMMCMX in Roman numerals.
> 2814 is represented as MMDCCCXIV in Roman numerals
> 2389 is represented as MMCCCLXXXIX in Roman numera
> 3597 is represented as MMMDXCVII in Roman numerals
> 989 is represented as CMLXXXIX in Roman numerals.
> 209 is represented as CCIX in Roman numerals.
> 2237 is represented as MMCCXXXVII in Roman numeral
> 1825 is represented as MDCCCXXV in Roman numerals.
> 773 is represented as DCCLXXIII in Roman numerals.
> 830 is represented as DCCCXXX in Roman numerals.
> 3888 is represented as MMMDCCCLXXXVIII in Roman nu
> 2411 is represented as MMCDXI in Roman numerals.
> 140 is represented as CXL in Roman numerals.
> 465 is represented as CDLXV in Roman numerals.
> 1163 is represented as MCLXIII in Roman numerals.
> 1502 is represented as MDII in Roman numerals.
> 1512 is represented as MDXII in Roman numerals.
> 1585 is represented as MDLXXXV in Roman numerals.
> 1650 is represented as MDCL in Roman numerals.
> 1188 is represented as MCLXXXVIII in Roman numeral
> 1639 is represented as MDCXXXIX in Roman numerals.
> 181 is represented as CLXXXI in Roman numerals.
> 1662 is represented as MDCLXII in Roman numerals.
> 3660 is represented as MMMDCLX in Roman numerals.
> 2722 is represented as MMDCCXXII in Roman numerals
> 2175 is represented as MMCLXXV in Roman numerals.
> 2012 is represented as MMXII in Roman numerals.
> 3769 is represented as MMMDCCLXIX in Roman numeral
> 3320 is represented as MMMCCCXX in Roman numerals.
> 3592 is represented as MMMDXCII in Roman numerals.
> 1257 is represented as MCCLVII in Roman numerals.
> 711 is represented as DCCXI in Roman numerals.
> 1593 is represented as MDXCIII in Roman numerals.
> 3386 is represented as MMMCCCLXXXVI in Roman numer
> 3572 is represented as MMMDLXXII in Roman numerals
> 283 is represented as CCLXXXIII in Roman numerals.
> 2072 is represented as MMLXXII in Roman numerals.
> 1891 is represented as MDCCCXCI in Roman numerals.
> 87 is represented as LXXXVII in Roman numerals.
> 3553 is represented as MMMDLIII in Roman numerals.

```

```

> 3641 is represented as MMMDCXLI in Roman numerals.
> 2302 is represented as MMCCCII in Roman numerals.
> 22 is represented as XXII in Roman numerals.
> 1628 is represented as MDCXXVIII in Roman numerals.
> 642 is represented as DCXLII in Roman numerals.
> 1941 is represented as MCMXLI in Roman numerals.
> 3815 is represented as MMMDCCCXV in Roman numerals.
> 746 is represented as DCCXLVI in Roman numerals.
> 2842 is represented as MMDCCCXLII in Roman numeral
> 3177 is represented as MMMCLXXVII in Roman numeral
> 1968 is represented as MCMLXVIII in Roman numerals.
> 1753 is represented as MDCCCLIII in Roman numerals.
> 2311 is represented as MMCCCXI in Roman numerals.
> 639 is represented as DCXXXIX in Roman numerals.
> 174 is represented as CLXXIV in Roman numerals.
> 3083 is represented as MMMLXXXIII in Roman numeral
> 2851 is represented as MMDCCCLI in Roman numerals.
> 2872 is represented as MMDCCCLXXII in Roman numera
> 2375 is represented as MMCCCLXXV in Roman numerals
> 2232 is represented as MMCCXXXII in Roman numerals
> 1169 is represented as MCLXIX in Roman numerals.
> 2826 is represented as MMDCCCXXVI in Roman numeral
> 2939 is represented as MMCMXXXIX in Roman numerals
> 1213 is represented as MCCXIII in Roman numerals.
> 494 is represented as CDXCIV in Roman numerals.
> 1067 is represented as MLXVII in Roman numerals.
> 2227 is represented as MMCCXXVII in Roman numerals
> 2633 is represented as MMDCXXXIII in Roman numeral
> 1584 is represented as MDLXXXIV in Roman numerals.
> 2457 is represented as MMCDLVII in Roman numerals.
> 200 is represented as CC in Roman numerals.
> 2167 is represented as MMCLXVII in Roman numerals.
> 911 is represented as CMXI in Roman numerals.
> 901 is represented as CMI in Roman numerals.
> 168 is represented as CLXVIII in Roman numerals.
> 361 is represented as CCCLXI in Roman numerals.
> 3547 is represented as MMMDXLVII in Roman numerals
> 1539 is represented as MDXXXIX in Roman numerals.
> 3461 is represented as MMMCDLXI in Roman numerals.
> 1870 is represented as MDCCCLXX in Roman numerals.
> 3957 is represented as MMMCMLVII in Roman numerals
> 332 is represented as CCCXXXII in Roman numerals.

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test84
```

Test 85 (150 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```

> 2190 is represented as MMCXC in Roman numerals.
> 758 is represented as DCCLVIII in Roman numerals.
> 315 is represented as CCCXV in Roman numerals.
> 2015 is represented as MMXV in Roman numerals.
> 1702 is represented as MDCCII in Roman numerals.
> 2070 is represented as MMLXX in Roman numerals.
> 2911 is represented as MMCMXI in Roman numerals.
> 1390 is represented as MCCCXC in Roman numerals.
> 149 is represented as CXLIX in Roman numerals.
> 3895 is represented as MMMDCCCXCV in Roman numeral
> 1008 is represented as MVIII in Roman numerals.
> 2489 is represented as MMCDLXXXIX in Roman numeral
> 1374 is represented as MCCCLXXIV in Roman numerals
> 1127 is represented as MCXXVII in Roman numerals.
> 3440 is represented as MMMCDXL in Roman numerals.
> 1316 is represented as MCCCXVI in Roman numerals.
> 512 is represented as DXII in Roman numerals.
> 868 is represented as DCCCLXVIII in Roman numerals
> 1206 is represented as MCCVI in Roman numerals.
> 589 is represented as DLXXXIX in Roman numerals.
> 1536 is represented as MDXXXVI in Roman numerals.
> 826 is represented as DCCCXXVI in Roman numerals.
> 389 is represented as CCCLXXXIX in Roman numerals.
> 3242 is represented as MMMCCXLII in Roman numerals
> 3253 is represented as MMMCCLIII in Roman numerals
> 3891 is represented as MMMDCCCXCI in Roman numeral
> 1955 is represented as MCMLV in Roman numerals.
> 2762 is represented as MMDCLXII in Roman numerals
> 2551 is represented as MMDLI in Roman numerals.
> 2439 is represented as MMCDXXXIX in Roman numerals
> 1278 is represented as MCCLXXVIII in Roman numeral

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> 358 is represented as CCCLVIII in Roman numerals.
> 1056 is represented as MLVI in Roman numerals.
> 2848 is represented as MMDCCCXLVIII in Roman numerals.
> 210 is represented as CCX in Roman numerals.
> 1176 is represented as MCLXXVI in Roman numerals.
> 402 is represented as CDII in Roman numerals.
> 1225 is represented as MCCXXV in Roman numerals.
> 802 is represented as DCCCII in Roman numerals.
> 395 is represented as CCCXCV in Roman numerals.
> 3278 is represented as MMMCCLXXVIII in Roman numerals.
> 3612 is represented as MMMDCXII in Roman numerals.
> 2746 is represented as MMDCCXLVI in Roman numerals.
> 647 is represented as DCXLVII in Roman numerals.
> 343 is represented as CCCXLIII in Roman numerals.
> 777 is represented as DCCLXXVII in Roman numerals.
> 3124 is represented as MMMCXXIV in Roman numerals.
> 3919 is represented as MMMCMXIX in Roman numerals.
> 419 is represented as CDXIX in Roman numerals.
> 1889 is represented as MDCCCLXXXIX in Roman numerals.
> 233 is represented as CCXXXIII in Roman numerals.
> 3350 is represented as MMMCCCL in Roman numerals.
> 1271 is represented as MCCLXXI in Roman numerals.
> 557 is represented as DLVII in Roman numerals.
> 1051 is represented as MLI in Roman numerals.
> 2256 is represented as MMCCCLVI in Roman numerals.
> 2641 is represented as MMDCXLI in Roman numerals.
> 1407 is represented as MCDVII in Roman numerals.
> 1918 is represented as MCMXVIII in Roman numerals.
> 2698 is represented as MMDCCXCVIII in Roman numerals.
> 1995 is represented as MCMXCV in Roman numerals.
> 2201 is represented as MMCCI in Roman numerals.
> 2205 is represented as MMCCV in Roman numerals.
> 2922 is represented as MMCXXII in Roman numerals.
> 1706 is represented as MDCCVI in Roman numerals.
> 715 is represented as DCCXV in Roman numerals.
> 235 is represented as CCXXXV in Roman numerals.
> 1857 is represented as MDCCCLVII in Roman numerals.
> 848 is represented as DCCCXLVIII in Roman numerals.
> 2057 is represented as MMLVII in Roman numerals.
> 1645 is represented as MDCXLV in Roman numerals.
> 1894 is represented as MDCCCXCIV in Roman numerals.
> 897 is represented as DCCCXCVII in Roman numerals.
> 2618 is represented as MMDCXVIII in Roman numerals.
> 1379 is represented as MCCCLXXIX in Roman numerals.
> 3806 is represented as MMMDCCCVI in Roman numerals.
> 3017 is represented as MMMXVII in Roman numerals.
> 250 is represented as CCL in Roman numerals.
> 3556 is represented as MMMDLVI in Roman numerals.
> 1231 is represented as MCCXXXI in Roman numerals.
> 2818 is represented as MMDCCCXVIII in Roman numerals.
> 316 is represented as CCCXVI in Roman numerals.
> 2285 is represented as MMCCCLXXXV in Roman numerals.
> 1105 is represented as MCV in Roman numerals.
> 3226 is represented as MMCCXXVI in Roman numerals.
> 2271 is represented as MMCCCLXXI in Roman numerals.
> 3060 is represented as MMMLX in Roman numerals.
> 83 is represented as LXXXIII in Roman numerals.
> 2315 is represented as MMCCCXV in Roman numerals.
> 3779 is represented as MMMDCCLXXIX in Roman numerals.
> 739 is represented as DCCXXXIX in Roman numerals.
> 3028 is represented as MMMXXVIII in Roman numerals.
> 3474 is represented as MMCDLXXIV in Roman numerals.
> 713 is represented as DCCXIII in Roman numerals.
> 2352 is represented as MMCCCLII in Roman numerals.
> 1133 is represented as MCXXXIII in Roman numerals.
> 308 is represented as CCCVIII in Roman numerals.
> 2895 is represented as MMDCCCXCV in Roman numerals.
> 185 is represented as CLXXXV in Roman numerals.
> 2086 is represented as MMLXXXVI in Roman numerals.

```

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test85

```

Test 86 (160 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 2817 is represented as MMDCCCXVII in Roman numeral	> 2817 is represented as MMDCCCXVII in Roman numeral
> 2724 is represented as MMDCCXXIV in Roman numerals	> 2724 is represented as MMDCCXXIV in Roman numerals
> 807 is represented as DCCCVII in Roman numerals.	> 807 is represented as DCCCVII in Roman numerals.
> 3237 is represented as MMMCCXXXVII in Roman numerals	> 3237 is represented as MMMCCXXXVII in Roman numerals

> 1470 is represented as MCDLXX in Roman numerals.
> 1740 is represented as MDCCXL in Roman numerals.
> 336 is represented as CCCXXXVI in Roman numerals.
> 3661 is represented as MMMDCLXI in Roman numerals.
> 2391 is represented as MMCCCXCI in Roman numerals.
> 392 is represented as CCCXCII in Roman numerals.
> 3600 is represented as MMMDC in Roman numerals.
> 434 is represented as CDXXXIV in Roman numerals.
> 1284 is represented as MCCLXXXIV in Roman numerals.
> 219 is represented as CCXIX in Roman numerals.
> 3037 is represented as MMMXXXVII in Roman numerals.
> 1854 is represented as MDCCCLIV in Roman numerals.
> 190 is represented as CXC in Roman numerals.
> 805 is represented as DCCCV in Roman numerals.
> 1393 is represented as MCCCXCIII in Roman numerals.
> 1304 is represented as MCCCIV in Roman numerals.
> 850 is represented as DCCCL in Roman numerals.
> 2529 is represented as MMDXXIX in Roman numerals.
> 3364 is represented as MMMCCCLXIV in Roman numeral
> 2596 is represented as MMDXCVI in Roman numerals.
> 3023 is represented as MMMXIII in Roman numerals.
> 948 is represented as CMXLVIII in Roman numerals.
> 2948 is represented as MMCMLVIII in Roman numeral
> 1622 is represented as MDCXXII in Roman numerals.
> 289 is represented as CCLXXXIX in Roman numerals.
> 1046 is represented as MXLVI in Roman numerals.
> 3075 is represented as MMMLXXV in Roman numerals.
> 2964 is represented as MMCMLXIV in Roman numerals.
> 3693 is represented as MMMDCXCIII in Roman numeral
> 673 is represented as DCLXIII in Roman numerals.
> 572 is represented as DLXXII in Roman numerals.
> 245 is represented as CCXLV in Roman numerals.
> 1356 is represented as MCCCLVI in Roman numerals.
> 904 is represented as CMIV in Roman numerals.
> 874 is represented as DCCCLXXIV in Roman numerals.
> 3732 is represented as MMMDCCXXXII in Roman numera
> 281 is represented as CCLXXXI in Roman numerals.
> 3185 is represented as MMMCLXXXV in Roman numerals
> 282 is represented as CCLXXXII in Roman numerals.
> 2049 is represented as MMXLIX in Roman numerals.
> 148 is represented as CXLVIII in Roman numerals.
> 2284 is represented as MMCCCLXXXIV in Roman numeral
> 2560 is represented as MMDLX in Roman numerals.
> 870 is represented as DCCCLXX in Roman numerals.
> 3063 is represented as MMMLXIII in Roman numerals.
> 2094 is represented as MMXCIV in Roman numerals.
> 2882 is represented as MMDCCLXXXII in Roman numer
> 1561 is represented as MDLXI in Roman numerals.
> 1258 is represented as MCCLVIII in Roman numerals.
> 2308 is represented as MMCCCVIII in Roman numerals
> 2858 is represented as MMDCCLVIII in Roman numera
> 3777 is represented as MMMDCCLXXVII in Roman numer
> 2694 is represented as MMDXCIV in Roman numerals.
> 3448 is represented as MMMCDXLVIII in Roman numera
> 1327 is represented as MCCCXXVII in Roman numerals
> 2469 is represented as MMCDLXIX in Roman numerals.
> 1150 is represented as MCL in Roman numerals.
> 3018 is represented as MMMXVIII in Roman numerals.
> 1414 is represented as MCDXIV in Roman numerals.
> 264 is represented as CCLXIV in Roman numerals.
> 306 is represented as CCCVI in Roman numerals.
> 3857 is represented as MMMDCCCLVII in Roman numera
> 1940 is represented as MCMXL in Roman numerals.
> 1242 is represented as MCCXLII in Roman numerals.
> 3694 is represented as MMMDCXCIV in Roman numerals
> 422 is represented as CDXXII in Roman numerals.
> 3876 is represented as MMMDCCCLXXVI in Roman numer
> 2966 is represented as MMCMXLVI in Roman numerals.
> 1081 is represented as MLXXXI in Roman numerals.
> 1910 is represented as MCMX in Roman numerals.
> 3784 is represented as MMMDCCCLXXXIV in Roman numer
> 774 is represented as DCCLXXIV in Roman numerals.
> 2559 is represented as MMDLIX in Roman numerals.
> 1255 is represented as MCCCLV in Roman numerals.
> 3587 is represented as MMMDLXXXVII in Roman numera
> 480 is represented as CDLXXX in Roman numerals.
> 612 is represented as DCXII in Roman numerals.
> 1420 is represented as MCDXX in Roman numerals.
> 2378 is represented as MMCCCLXXVIII in Roman numer
> 3184 is represented as MMMCLXXXIV in Roman numeral
> 1719 is represented as MDCCXIX in Roman numerals.
> 3191 is represented as MMMCXCI in Roman numerals.
> 2016 is represented as MMXVI in Roman numerals.
> 489 is represented as CDLXXXIX in Roman numerals.

```

> 3024 is represented as MMMXXIV in Roman numerals.
> 1903 is represented as MCMIII in Roman numerals.
> 2410 is represented as MMCDX in Roman numerals.
> 2782 is represented as MMDCCCLXXXII in Roman numerals.
> 2206 is represented as MMCCVI in Roman numerals.
> 2061 is represented as MMLXI in Roman numerals.
> 2506 is represented as MMDVI in Roman numerals.
> 3772 is represented as MMMDCCLXXII in Roman numerals.
> 3532 is represented as MMMDXXXII in Roman numerals.
> 860 is represented as DCCCLX in Roman numerals.
> 3542 is represented as MMMDXLII in Roman numerals.
> 1306 is represented as MCCCVI in Roman numerals.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test86
```

Test 87 (170 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 175 is represented as CLXXV in Roman numerals.	> 175 is represented as CLXXV in Roman numerals.
> 1222 is represented as MCCXXII in Roman numerals.	> 1222 is represented as MCCXXII in Roman numerals.
> 1221 is represented as MCCXXI in Roman numerals.	> 1221 is represented as MCCXXI in Roman numerals.
> 2096 is represented as MMXCVI in Roman numerals.	> 2096 is represented as MMXCVI in Roman numerals.
> 3800 is represented as MMMDCCC in Roman numerals.	> 3800 is represented as MMMDCCC in Roman numerals.
> 3583 is represented as MMMDLXXXIII in Roman numerals.	> 3583 is represented as MMMDLXXXIII in Roman numerals.
> 2294 is represented as MMCCXCIV in Roman numerals.	> 2294 is represented as MMCCXCIV in Roman numerals.
> 1685 is represented as MDCLXXXV in Roman numerals.	> 1685 is represented as MDCLXXXV in Roman numerals.
> 3065 is represented as MMMLXV in Roman numerals.	> 3065 is represented as MMMLXV in Roman numerals.
> 3862 is represented as MMMDCCCLXII in Roman numerals.	> 3862 is represented as MMMDCCCLXII in Roman numerals.
> 2463 is represented as MMCDLXIII in Roman numerals.	> 2463 is represented as MMCDLXIII in Roman numerals.
> 25 is represented as XXV in Roman numerals.	> 25 is represented as XXV in Roman numerals.
> 1517 is represented as MDXVII in Roman numerals.	> 1517 is represented as MDXVII in Roman numerals.
> 3341 is represented as MMMCCCXLI in Roman numerals.	> 3341 is represented as MMMCCCXLI in Roman numerals.
> 1566 is represented as MDLXVI in Roman numerals.	> 1566 is represented as MDLXVI in Roman numerals.
> 2819 is represented as MMDCCCXIX in Roman numerals.	> 2819 is represented as MMDCCCXIX in Roman numerals.
> 1201 is represented as MCCI in Roman numerals.	> 1201 is represented as MCCI in Roman numerals.
> 77 is represented as LXXVII in Roman numerals.	> 77 is represented as LXXVII in Roman numerals.
> 3948 is represented as MMMCMXLVIII in Roman numerals.	> 3948 is represented as MMMCMXLVIII in Roman numerals.
> 1529 is represented as MDXXIX in Roman numerals.	> 1529 is represented as MDXXIX in Roman numerals.
> 1002 is represented as MII in Roman numerals.	> 1002 is represented as MII in Roman numerals.
> 319 is represented as CCCXIX in Roman numerals.	> 319 is represented as CCCXIX in Roman numerals.
> 1646 is represented as MDCXLVI in Roman numerals.	> 1646 is represented as MDCXLVI in Roman numerals.
> 1964 is represented as MCMLXIV in Roman numerals.	> 1964 is represented as MCMLXIV in Roman numerals.
> 3775 is represented as MMMDCCLXXV in Roman numerals.	> 3775 is represented as MMMDCCLXXV in Roman numerals.
> 3144 is represented as MMMCXIV in Roman numerals.	> 3144 is represented as MMMCXIV in Roman numerals.
> 3946 is represented as MMMCMXLVI in Roman numerals.	> 3946 is represented as MMMCMXLVI in Roman numerals.
> 2699 is represented as MMDCCXCIX in Roman numerals.	> 2699 is represented as MMDCCXCIX in Roman numerals.
> 2038 is represented as MMXXXVIII in Roman numerals.	> 2038 is represented as MMXXXVIII in Roman numerals.
> 1182 is represented as MCLXXXII in Roman numerals.	> 1182 is represented as MCLXXXII in Roman numerals.
> 2270 is represented as MMCCCLXX in Roman numerals.	> 2270 is represented as MMCCCLXX in Roman numerals.
> 2394 is represented as MMCCCXCIV in Roman numerals.	> 2394 is represented as MMCCCXCIV in Roman numerals.
> 2975 is represented as MMCMLXXV in Roman numerals.	> 2975 is represented as MMCMLXXV in Roman numerals.
> 1038 is represented as MXXXVIII in Roman numerals.	> 1038 is represented as MXXXVIII in Roman numerals.
> 2761 is represented as MMDCCCLXI in Roman numerals.	> 2761 is represented as MMDCCCLXI in Roman numerals.
> 1618 is represented as MDCXVIII in Roman numerals.	> 1618 is represented as MDCXVIII in Roman numerals.
> 1957 is represented as MCMLVII in Roman numerals.	> 1957 is represented as MCMLVII in Roman numerals.
> 827 is represented as DCCCXXVII in Roman numerals.	> 827 is represented as DCCCXXVII in Roman numerals.
> 2822 is represented as MMDCCCXXII in Roman numerals.	> 2822 is represented as MMDCCCXXII in Roman numerals.
> 3599 is represented as MMMDXCIX in Roman numerals.	> 3599 is represented as MMMDXCIX in Roman numerals.
> 908 is represented as CMVIII in Roman numerals.	> 908 is represented as CMVIII in Roman numerals.
> 2686 is represented as MMDCLXXXVI in Roman numerals.	> 2686 is represented as MMDCLXXXVI in Roman numerals.
> 1245 is represented as MCCXLV in Roman numerals.	> 1245 is represented as MCCXLV in Roman numerals.
> 1189 is represented as MCLXXXIX in Roman numerals.	> 1189 is represented as MCLXXXIX in Roman numerals.
> 3254 is represented as MMMCCLIV in Roman numerals.	> 3254 is represented as MMMCCLIV in Roman numerals.
> 104 is represented as CIV in Roman numerals.	> 104 is represented as CIV in Roman numerals.
> 293 is represented as CCXCIII in Roman numerals.	> 293 is represented as CCXCIII in Roman numerals.
> 2007 is represented as MMVII in Roman numerals.	> 2007 is represented as MMVII in Roman numerals.
> 2689 is represented as MMDCLXXXIX in Roman numerals.	> 2689 is represented as MMDCLXXXIX in Roman numerals.
> 2300 is represented as MMCCC in Roman numerals.	> 2300 is represented as MMCCC in Roman numerals.
> 829 is represented as DCCCXXIX in Roman numerals.	> 829 is represented as DCCCXXIX in Roman numerals.
> 3422 is represented as MMMCDXXII in Roman numerals.	> 3422 is represented as MMMCDXXII in Roman numerals.
> 1808 is represented as MDCCCVIII in Roman numerals.	> 1808 is represented as MDCCCVIII in Roman numerals.
> 2174 is represented as MMCLXXIV in Roman numerals.	> 2174 is represented as MMCLXXIV in Roman numerals.
> 1606 is represented as MDCVI in Roman numerals.	> 1606 is represented as MDCVI in Roman numerals.
> 1644 is represented as MDCXLIV in Roman numerals.	> 1644 is represented as MDCXLIV in Roman numerals.
> 2346 is represented as MMCCCXLVI in Roman numerals.	> 2346 is represented as MMCCCXLVI in Roman numerals.
> 1551 is represented as MDLI in Roman numerals.	> 1551 is represented as MDLI in Roman numerals.
> 3308 is represented as MMMCCCVIII in Roman numerals.	> 3308 is represented as MMMCCCVIII in Roman numerals.
> 3036 is represented as MMMXXXVI in Roman numerals.	> 3036 is represented as MMMXXXVI in Roman numerals.

```

> 3137 is represented as MMMCXXXVII in Roman numeral
> 2368 is represented as MMCCCLXVIII in Roman numera
> 1642 is represented as MDCXLII in Roman numerals.
> 2349 is represented as MMCCCXLIX in Roman numerals
> 1297 is represented as MCCXCVII in Roman numerals.
> 2571 is represented as MMDLXXI in Roman numerals.
> 1280 is represented as MCCLXXX in Roman numerals.
> 3711 is represented as MMMDCCXI in Roman numerals.
> 1974 is represented as MCMLXXIV in Roman numerals.
> 1636 is represented as MDCXXXVI in Roman numerals.
> 886 is represented as DCCCLXXXVI in Roman numerals
> 720 is represented as DCCXX in Roman numerals.
> 1352 is represented as MCCCLII in Roman numerals.
> 1676 is represented as MDCLXXVI in Roman numerals.
> 1547 is represented as MDXLVII in Roman numerals.
> 3733 is represented as MMMDCCXXXIII in Roman numer
> 3554 is represented as MMMDLIV in Roman numerals.
> 2970 is represented as MMCMLXX in Roman numerals.
> 2777 is represented as MMDCCLXXVII in Roman numera
> 2278 is represented as MMCCCLXXVIII in Roman numera
> 1611 is represented as MDCXI in Roman numerals.
> 1542 is represented as MDXLII in Roman numerals.
> 339 is represented as CCCXXXIX in Roman numerals.
> 3531 is represented as MMMDXXXI in Roman numerals.
> 2131 is represented as MMCXXXI in Roman numerals.
> 2158 is represented as MMCLVIII in Roman numerals.
> 958 is represented as CMLVIII in Roman numerals.
> 1368 is represented as MCCCLXVIII in Roman numeral
> 2068 is represented as MMLXVIII in Roman numerals.
> 1991 is represented as MCMXCI in Roman numerals.
> 1916 is represented as MCMXVI in Roman numerals.
> 534 is represented as DXXXIV in Roman numerals.
> 707 is represented as DCCVII in Roman numerals.
> 566 is represented as DLXVI in Roman numerals.
> 2715 is represented as MMDCCXV in Roman numerals.
> 2133 is represented as MMCXXXIII in Roman numerals
> 2476 is represented as MMCDLXXVI in Roman numerals
> 1068 is represented as MLXVIII in Roman numerals.
> 1880 is represented as MDCCCLXXX in Roman numerals
> 1199 is represented as MCXCIX in Roman numerals.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test87
```

Test 88 (180 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> 1062 is represented as MLXII in Roman numerals.
	> 318 is represented as CCCXVIII in Roman numerals.
	> 1090 is represented as MXC in Roman numerals.
	> 625 is represented as DCXXV in Roman numerals.
	> 3219 is represented as MMMCCXIX in Roman numerals.
	> 248 is represented as CCXLVIII in Roman numerals.
	> 2496 is represented as MMCDXCVI in Roman numerals.
	> 379 is represented as CCCLXXIX in Roman numerals.
	> 2943 is represented as MMCMXLIII in Roman numerals.
	> 2413 is represented as MMCDXIII in Roman numerals.
	> 2299 is represented as MMCCXCIX in Roman numerals.
	> 3380 is represented as MMMCCCLXXX in Roman numeral
	> 1170 is represented as MCLXX in Roman numerals.
	> 3112 is represented as MMMCXII in Roman numerals.
	> 2583 is represented as MMDLXXXIII in Roman numeral
	> 1099 is represented as MXCIX in Roman numerals.
	> 26 is represented as XXVI in Roman numerals.
	> 393 is represented as CCCXCIII in Roman numerals.
	> 841 is represented as DCCCXLI in Roman numerals.
	> 705 is represented as DCCV in Roman numerals.
	> 2825 is represented as MMDCCCXXV in Roman numerals
	> 3404 is represented as MMMCDIV in Roman numerals.
	> 3106 is represented as MMCVI in Roman numerals.
	> 82 is represented as LXXXII in Roman numerals.
	> 2716 is represented as MMDCCXVI in Roman numerals.
	> 1791 is represented as MDCCXCI in Roman numerals.
	> 3391 is represented as MMMCCCXCI in Roman numerals
	> 3582 is represented as MMMDLXXXII in Roman numeral
	> 1239 is represented as MCCXXXIX in Roman numerals.
	> 2856 is represented as MMDCCCLVI in Roman numerals
	> 481 is represented as CDLXXXI in Roman numerals.
	> 2211 is represented as MMCCXI in Roman numerals.

```

> 1497 is represented as MCDXCVII in Roman numerals.
> 1333 is represented as MCCCXXXIII in Roman numeral
> 1898 is represented as MDCCCXCVIII in Roman numera
> 1250 is represented as MCCL in Roman numerals.
> 926 is represented as CMXXVI in Roman numerals.
> 3176 is represented as MMMCLXXVI in Roman numerals
> 1344 is represented as MCCCXLIV in Roman numerals.
> 3053 is represented as MMMLIII in Roman numerals.
> 3463 is represented as MMMCDLXIII in Roman numeral
> 2611 is represented as MMDCXI in Roman numerals.
> 622 is represented as DCXXII in Roman numerals.
> 3175 is represented as MMMCLXXV in Roman numerals.
> 2914 is represented as MMCMXIV in Roman numerals.
> 665 is represented as DCLXV in Roman numerals.
> 653 is represented as DCLIII in Roman numerals.
> 2154 is represented as MMCLIV in Roman numerals.
> 2289 is represented as MMCCCLXXXIX in Roman numeral
> 584 is represented as DLXXXIV in Roman numerals.
> 3816 is represented as MMMDCCCXVI in Roman numeral
> 3526 is represented as MMMDXXVI in Roman numerals.
> 1050 is represented as ML in Roman numerals.
> 2519 is represented as MMDXIX in Roman numerals.
> 975 is represented as CMLXXV in Roman numerals.
> 1367 is represented as MCCCLXVII in Roman numerals
> 3720 is represented as MMMDCCXX in Roman numerals.
> 1295 is represented as MCCXCV in Roman numerals.
> 1589 is represented as MDLXXXIX in Roman numerals.
> 3671 is represented as MMMDCLXXI in Roman numerals
> 1498 is represented as MCDXCVIII in Roman numerals
> 3321 is represented as MMMCCCXXI in Roman numerals
> 295 is represented as CCXCV in Roman numerals.
> 3585 is represented as MMMDLXXXV in Roman numerals
> 2736 is represented as MMDCCXXXVI in Roman numeral
> 3069 is represented as MMMLXIX in Roman numerals.
> 2213 is represented as MMCCXIII in Roman numerals.
> 598 is represented as DXCVIII in Roman numerals.
> 537 is represented as DXXXVII in Roman numerals.
> 476 is represented as CDLXXVI in Roman numerals.
> 2807 is represented as MMDCCCVII in Roman numerals
> 3303 is represented as MMMCCIII in Roman numerals
> 2531 is represented as MMDXXXI in Roman numerals.
> 1690 is represented as MDCXC in Roman numerals.
> 3846 is represented as MMMDCCCXLVI in Roman numera
> 3812 is represented as MMMDCCCXII in Roman numeral
> 3098 is represented as MMMXCVIII in Roman numerals
> 3485 is represented as MMMCDLXXXV in Roman numeral
> 236 is represented as CCXXXVI in Roman numerals.
> 3458 is represented as MMMCDLVIII in Roman numeral
> 3807 is represented as MMMDCCCVII in Roman numeral
> 815 is represented as DCCCXV in Roman numerals.
> 1045 is represented as MXLV in Roman numerals.
> 679 is represented as DCLXXIX in Roman numerals.
> 1454 is represented as MCDLIV in Roman numerals.
> 501 is represented as DI in Roman numerals.
> 1886 is represented as MDCCCLXXXVI in Roman numera
> 2764 is represented as MMDCCCLXIV in Roman numerals
> 221 is represented as CCXXI in Roman numerals.
> 2149 is represented as MMCXLIX in Roman numerals.
> 610 is represented as DCX in Roman numerals.
> 2184 is represented as MMCLXXXIV in Roman numerals
> 1931 is represented as MCMXXXI in Roman numerals.
> 302 is represented as CCCII in Roman numerals.
> 3438 is represented as MMMCDXXXVIII in Roman numer
> 112 is represented as CXII in Roman numerals.
> 1064 is represented as MLXIV in Roman numerals.
> 1858 is represented as MDCCCLVIII in Roman numeral
> 3088 is represented as MMMLXXXVIII in Roman numera

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test88
```

Test 89 (190 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 3157 is represented as MMMCLVII in Roman numerals.	> 3157 is represented as MMMCLVII in Roman numerals.
> 3140 is represented as MMMCXL in Roman numerals.	> 3140 is represented as MMMCXL in Roman numerals.
> 3819 is represented as MMMDCCCXIX in Roman numeral	> 3819 is represented as MMMDCCCXIX in Roman numeral
> 3500 is represented as MMMD in Roman numerals.	> 3500 is represented as MMMD in Roman numerals.

```

> 1014 is represented as MXIV in Roman numerals.
> 3372 is represented as MMMCCCLXXII in Roman numera
> 1276 is represented as MCCCLXXVI in Roman numerals.
> 1248 is represented as MCCXLVIII in Roman numerals
> 3258 is represented as MMMCCLVIII in Roman numeral
> 2197 is represented as MMCXCVII in Roman numerals.
> 1314 is represented as MCCCXIV in Roman numerals.
> 2356 is represented as MMCCCLVI in Roman numerals.
> 288 is represented as CCLXXXVIII in Roman numerals
> 2173 is represented as MMCLXXIII in Roman numerals
> 154 is represented as CLIV in Roman numerals.
> 2238 is represented as MMCCXXXVIII in Roman numera
> 3205 is represented as MMMCCV in Roman numerals.
> 1435 is represented as MCDXXXV in Roman numerals.
> 3003 is represented as MMMIII in Roman numerals.
> 1106 is represented as MCVI in Roman numerals.
> 937 is represented as CMXXXVII in Roman numerals.
> 2881 is represented as MMDCCCLXXXI in Roman numera
> 3605 is represented as MMMDCV in Roman numerals.
> 3845 is represented as MMMDCCCXLV in Roman numeral
> 1207 is represented as MCCVII in Roman numerals.
> 2591 is represented as MMDXCI in Roman numerals.
> 1882 is represented as MDCCCLXXXII in Roman numera
> 899 is represented as DCCCXCIX in Roman numerals.
> 3456 is represented as MMMCDLVI in Roman numerals.
> 101 is represented as CI in Roman numerals.
> 132 is represented as CXXXII in Roman numerals.
> 3788 is represented as MMMDCCLXXXVIII in Roman num
> 880 is represented as DCCCLXXX in Roman numerals.
> 3681 is represented as MMMDCLXXXI in Roman numeral
> 691 is represented as DCXCI in Roman numerals.
> 3691 is represented as MMMDCXCI in Roman numerals.
> 2020 is represented as MMXX in Roman numerals.
> 2804 is represented as MMDCCCIV in Roman numerals.
> 1336 is represented as MCCCXXXVI in Roman numerals
> 2991 is represented as MMCMXCI in Roman numerals.
> 2429 is represented as MMCDXXIX in Roman numerals.
> 3041 is represented as MMMXLI in Roman numerals.
> 785 is represented as DCCLXXXV in Roman numerals.
> 1945 is represented as MCMXLV in Roman numerals.
> 2254 is represented as MMCCCLIV in Roman numerals.
> 2691 is represented as MMDCXCI in Roman numerals.
> 369 is represented as CCCLXIX in Roman numerals.
> 2084 is represented as MMLXXXIV in Roman numerals.
> 726 is represented as DCCXXVI in Roman numerals.
> 2400 is represented as MMCD in Roman numerals.
> 1508 is represented as MDVIII in Roman numerals.
> 983 is represented as CMLXXXIII in Roman numerals.
> 1103 is represented as MCIII in Roman numerals.
> 1619 is represented as MDCXIX in Roman numerals.
> 2165 is represented as MMCLXV in Roman numerals.
> 226 is represented as CCXXVI in Roman numerals.
> 643 is represented as DCXLIII in Roman numerals.
> 851 is represented as DCCCLI in Roman numerals.
> 3758 is represented as MMMDCCLVIII in Roman numera
> 1486 is represented as MCDLXXXVI in Roman numerals
> 3155 is represented as MMMCLV in Roman numerals.
> 1739 is represented as MDCCXXXIX in Roman numerals
> 3811 is represented as MMMDCCCXI in Roman numerals
> 1164 is represented as MCLXIV in Roman numerals.
> 2843 is represented as MMDCCCXLIII in Roman numera
> 599 is represented as DXCIX in Roman numerals.
> 1861 is represented as MDCCCLXI in Roman numerals.
> 1971 is represented as MCMLXXI in Roman numerals.
> 2047 is represented as MMXLVII in Roman numerals.
> 303 is represented as CCCIII in Roman numerals.
> 13 is represented as XIII in Roman numerals.
> 428 is represented as CDXXVIII in Roman numerals.
> 687 is represented as DCLXXXVII in Roman numerals.
> 2589 is represented as MMDLXXXIX in Roman numerals
> 1143 is represented as MCXLIII in Roman numerals.
> 3378 is represented as MMMCCCLXXVIII in Roman nume
> 3793 is represented as MMMDCCXCIII in Roman numera
> 374 is represented as CCCLXXIV in Roman numerals.
> 1168 is represented as MCLXVIII in Roman numerals.
> 1416 is represented as MCDXVI in Roman numerals.
> 1759 is represented as MDCCCLIX in Roman numerals.
> 1330 is represented as MCCCXXX in Roman numerals.
> 3963 is represented as MMMCMLXIII in Roman numeral
> 659 is represented as DCLIX in Roman numerals.
> 934 is represented as CMXXXIV in Roman numerals.
> 790 is represented as DCCXC in Roman numerals.
> 2041 is represented as MMXLI in Roman numerals.
> 3356 is represented as MMMCCCLVI in Roman numerals

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> 1613 is represented as MDCXIII in Roman numerals.
> 3434 is represented as MMMCDXXXIV in Roman numeral
> 1072 is represented as MLXXII in Roman numerals.
> 2542 is represented as MMDXLII in Roman numerals.
> 487 is represented as CDLXXXVII in Roman numerals.
> 1307 is represented as MCCCVII in Roman numerals.
> 173 is represented as CLXXIII in Roman numerals.
> 246 is represented as CCXLVI in Roman numerals.
> 1495 is represented as MCDXCV in Roman numerals.
> 1713 is represented as MDCCXIII in Roman numerals.
> 3348 is represented as MMMCCCXLVIII in Roman numeral
> 1842 is represented as MDCCCXLII in Roman numerals

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test89
```

Test 90 (200 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 969 is represented as CMLXIX in Roman numerals.	> 969 is represented as CMLXIX in Roman numerals.
> 644 is represented as DCXLIV in Roman numerals.	> 644 is represented as DCXLIV in Roman numerals.
> 1086 is represented as MLXXXVI in Roman numerals.	> 1086 is represented as MLXXXVI in Roman numerals.
> 3117 is represented as MMMCXVII in Roman numerals.	> 3117 is represented as MMMCXVII in Roman numerals.
> 553 is represented as DLIII in Roman numerals.	> 553 is represented as DLIII in Roman numerals.
> 2229 is represented as MMCCXXIX in Roman numerals.	> 2229 is represented as MMCCXXIX in Roman numerals.
> 2832 is represented as MMDCCCXXXII in Roman numeral	> 2832 is represented as MMDCCCXXXII in Roman numeral
> 3382 is represented as MMMCCCLXXXII in Roman numeral	> 3382 is represented as MMMCCCLXXXII in Roman numeral
> 1578 is represented as MDLXXVIII in Roman numerals.	> 1578 is represented as MDLXXVIII in Roman numerals.
> 1829 is represented as MDCCCXXIX in Roman numerals.	> 1829 is represented as MDCCCXXIX in Roman numerals.
> 978 is represented as CMLXXVIII in Roman numerals.	> 978 is represented as CMLXXVIII in Roman numerals.
> 1345 is represented as MCCCXLV in Roman numerals.	> 1345 is represented as MCCCXLV in Roman numerals.
> 1745 is represented as MDCCXLV in Roman numerals.	> 1745 is represented as MDCCXLV in Roman numerals.
> 1238 is represented as MCCXXXVIII in Roman numeral	> 1238 is represented as MCCXXXVIII in Roman numeral
> 743 is represented as DCCXLIII in Roman numerals.	> 743 is represented as DCCXLIII in Roman numerals.
> 2337 is represented as MMCCCXXXVII in Roman numeral	> 2337 is represented as MMCCCXXXVII in Roman numeral
> 485 is represented as CDLXXXV in Roman numerals.	> 485 is represented as CDLXXXV in Roman numerals.
> 1576 is represented as MDLXXVI in Roman numerals.	> 1576 is represented as MDLXXVI in Roman numerals.
> 1817 is represented as MDCCCXVII in Roman numerals.	> 1817 is represented as MDCCCXVII in Roman numerals.
> 486 is represented as CDLXXXVI in Roman numerals.	> 486 is represented as CDLXXXVI in Roman numerals.
> 311 is represented as CCCXI in Roman numerals.	> 311 is represented as CCCXI in Roman numerals.
> 3082 is represented as MMMLXXXII in Roman numerals.	> 3082 is represented as MMMLXXXII in Roman numerals.
> 2024 is represented as MMXXIV in Roman numerals.	> 2024 is represented as MMXXIV in Roman numerals.
> 1308 is represented as MCCCVIII in Roman numerals.	> 1308 is represented as MCCCVIII in Roman numerals.
> 1120 is represented as MCXX in Roman numerals.	> 1120 is represented as MCXX in Roman numerals.
> 2564 is represented as MMDLXIV in Roman numerals.	> 2564 is represented as MMDLXIV in Roman numerals.
> 3854 is represented as MMMDCCCLIV in Roman numeral	> 3854 is represented as MMMDCCCLIV in Roman numeral
> 1669 is represented as MDCLXIX in Roman numerals.	> 1669 is represented as MDCLXIX in Roman numerals.
> 1661 is represented as MDCLXI in Roman numerals.	> 1661 is represented as MDCLXI in Roman numerals.
> 3025 is represented as MMMXXV in Roman numerals.	> 3025 is represented as MMMXXV in Roman numerals.
> 2339 is represented as MMCCCXXXIX in Roman numeral	> 2339 is represented as MMCCCXXXIX in Roman numeral
> 660 is represented as DCLX in Roman numerals.	> 660 is represented as DCLX in Roman numerals.
> 1370 is represented as MCCCLXX in Roman numerals.	> 1370 is represented as MCCCLXX in Roman numerals.
> 3282 is represented as MMMCCLXXXII in Roman numeral	> 3282 is represented as MMMCCLXXXII in Roman numeral
> 752 is represented as DCCLII in Roman numerals.	> 752 is represented as DCCLII in Roman numerals.
> 3186 is represented as MMMCLXXXVI in Roman numeral	> 3186 is represented as MMMCLXXXVI in Roman numeral
> 3187 is represented as MMMCLXXXVII in Roman numeral	> 3187 is represented as MMMCLXXXVII in Roman numeral
> 2326 is represented as MMCCCXXVI in Roman numerals.	> 2326 is represented as MMCCCXXVI in Roman numerals.
> 1247 is represented as MCCXLVII in Roman numerals.	> 1247 is represented as MCCXLVII in Roman numerals.
> 2290 is represented as MMCCXC in Roman numerals.	> 2290 is represented as MMCCXC in Roman numerals.
> 3103 is represented as MMMCIII in Roman numerals.	> 3103 is represented as MMMCIII in Roman numerals.
> 1298 is represented as MCCXCVIII in Roman numerals.	> 1298 is represented as MCCXCVIII in Roman numerals.
> 1665 is represented as MDCLXV in Roman numerals.	> 1665 is represented as MDCLXV in Roman numerals.
> 775 is represented as DCCLXXV in Roman numerals.	> 775 is represented as DCCLXXV in Roman numerals.
> 1246 is represented as MCCXLVI in Roman numerals.	> 1246 is represented as MCCXLVI in Roman numerals.
> 1290 is represented as MCCXC in Roman numerals.	> 1290 is represented as MCCXC in Roman numerals.
> 3827 is represented as MMMDCCCXXXVII in Roman numeral	> 3827 is represented as MMMDCCCXXXVII in Roman numeral
> 1654 is represented as MDCLIV in Roman numerals.	> 1654 is represented as MDCLIV in Roman numerals.
> 672 is represented as DCLXXII in Roman numerals.	> 672 is represented as DCLXXII in Roman numerals.
> 2750 is represented as MMDCCCL in Roman numerals.	> 2750 is represented as MMDCCCL in Roman numerals.
> 3844 is represented as MMMDCCCXLIV in Roman numeral	> 3844 is represented as MMMDCCCXLIV in Roman numeral
> 3388 is represented as MMMCCCLXXXVIII in Roman numeral	> 3388 is represented as MMMCCCLXXXVIII in Roman numeral
> 2594 is represented as MMDXCIV in Roman numerals.	> 2594 is represented as MMDXCIV in Roman numerals.
> 3881 is represented as MMMDCCCLXXXI in Roman numeral	> 3881 is represented as MMMDCCCLXXXI in Roman numeral
> 2436 is represented as MMCDXXXVI in Roman numerals.	> 2436 is represented as MMCDXXXVI in Roman numerals.
> 2862 is represented as MMDCCCLXII in Roman numeral	> 2862 is represented as MMDCCCLXII in Roman numeral
> 2629 is represented as MMDCCXXIX in Roman numerals.	> 2629 is represented as MMDCCXXIX in Roman numerals.
> 3632 is represented as MMMDCXXXII in Roman numeral	> 3632 is represented as MMMDCXXXII in Roman numeral
> 1952 is represented as MCMLII in Roman numerals.	> 1952 is represented as MCMLII in Roman numerals.
> 1884 is represented as MDCCCLXXXIV in Roman numeral	> 1884 is represented as MDCCCLXXXIV in Roman numeral

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> 1868 is represented as MDCCCLXVIII in Roman numera
> 633 is represented as DCXXXIII in Roman numerals.
> 354 is represented as CCCLIV in Roman numerals.
> 436 is represented as CDXXXVI in Roman numerals.
> 3778 is represented as MMMDCCLXXVIII in Roman nume
> 2287 is represented as MMCCCLXXXVII in Roman numera
> 905 is represented as CMV in Roman numerals.
> 1112 is represented as MCXII in Roman numerals.
> 2693 is represented as MMDCCXCIII in Roman numerals
> 260 is represented as CCLX in Roman numerals.
> 833 is represented as DCCCXXXIII in Roman numerals
> 2434 is represented as MMCDXXXIV in Roman numerals
> 571 is represented as DLXXI in Roman numerals.
> 1649 is represented as MDCXLIX in Roman numerals.
> 3035 is represented as MMMXXXV in Roman numerals.
> 2534 is represented as MMDXXXIV in Roman numerals.
> 1848 is represented as MDCCCXLVIII in Roman numera
> 1319 is represented as MCCCXIX in Roman numerals.
> 130 is represented as CXXX in Roman numerals.
> 2216 is represented as MMCCXVI in Roman numerals.
> 3080 is represented as MMMLXXX in Roman numerals.
> 3252 is represented as MMMCCLII in Roman numerals.
> 3684 is represented as MMMDCLXXXIV in Roman numera
> 1664 is represented as MDCLXIV in Roman numerals.
> 3480 is represented as MMMCDLXXX in Roman numerals
> 2859 is represented as MMDCCCLIX in Roman numerals
> 117 is represented as CXVII in Roman numerals.
> 2616 is represented as MMDCXVI in Roman numerals.
> 2857 is represented as MMDCCCLVII in Roman numeral
> 646 is represented as DCXLVI in Roman numerals.
> 3354 is represented as MMMCCCLIV in Roman numerals
> 1703 is represented as MDCCIII in Roman numerals.
> 3789 is represented as MMMDCCLXXXIX in Roman numer
> 2768 is represented as MMDCCCLXVIII in Roman numera
> 1559 is represented as MDLIX in Roman numerals.
> 2403 is represented as MMCDIII in Roman numerals.
> 1272 is represented as MCCLXXII in Roman numerals.
> 73 is represented as LXXIII in Roman numerals.
> 1568 is represented as MDLXVIII in Roman numerals.
> 1695 is represented as MDCXCV in Roman numerals.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test90
```

Test 91 (210 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 601 is represented as DCI in Roman numerals.	> 601 is represented as DCI in Roman numerals.
> 2890 is represented as MMDCCCXC in Roman numerals.	> 2890 is represented as MMDCCCXC in Roman numerals.
> 2935 is represented as MMCXXXXV in Roman numerals.	> 2935 is represented as MMCXXXXV in Roman numerals.
> 3329 is represented as MMMCCCXXIX in Roman numeral	> 3329 is represented as MMMCCCXXIX in Roman numeral
> 796 is represented as DCCXCVI in Roman numerals.	> 796 is represented as DCCXCVI in Roman numerals.
> 740 is represented as DCCXL in Roman numerals.	> 740 is represented as DCCXL in Roman numerals.
> 1983 is represented as MCMLXXXIII in Roman numeral	> 1983 is represented as MCMLXXXIII in Roman numeral
> 2482 is represented as MMCDLXXXII in Roman numeral	> 2482 is represented as MMCDLXXXII in Roman numeral
> 214 is represented as CCXIV in Roman numerals.	> 214 is represented as CCXIV in Roman numerals.
> 2967 is represented as MMCMLXVII in Roman numerals	> 2967 is represented as MMCMLXVII in Roman numerals
> 251 is represented as CCLI in Roman numerals.	> 251 is represented as CCLI in Roman numerals.
> 1962 is represented as MCMLXII in Roman numerals.	> 1962 is represented as MCMLXII in Roman numerals.
> 2752 is represented as MMDCCCLII in Roman numerals.	> 2752 is represented as MMDCCCLII in Roman numerals.
> 803 is represented as DCCCIII in Roman numerals.	> 803 is represented as DCCCIII in Roman numerals.
> 649 is represented as DCXLIX in Roman numerals.	> 649 is represented as DCXLIX in Roman numerals.
> 390 is represented as CCCXC in Roman numerals.	> 390 is represented as CCCXC in Roman numerals.
> 448 is represented as CDXLVIII in Roman numerals.	> 448 is represented as CDXLVIII in Roman numerals.
> 1863 is represented as MDCCCLXIII in Roman numeral	> 1863 is represented as MDCCCLXIII in Roman numeral
> 1362 is represented as MCCCLXII in Roman numerals.	> 1362 is represented as MCCCLXII in Roman numerals.
> 3030 is represented as MMMXXX in Roman numerals.	> 3030 is represented as MMMXXX in Roman numerals.
> 3721 is represented as MMMDCCXXI in Roman numerals	> 3721 is represented as MMMDCCXXI in Roman numerals
> 3451 is represented as MMMCDLI in Roman numerals.	> 3451 is represented as MMMCDLI in Roman numerals.
> 2107 is represented as MMCVII in Roman numerals.	> 2107 is represented as MMCVII in Roman numerals.
> 3159 is represented as MMMCLIX in Roman numerals.	> 3159 is represented as MMMCLIX in Roman numerals.
> 1018 is represented as MXVIII in Roman numerals.	> 1018 is represented as MXVIII in Roman numerals.
> 2490 is represented as MMCDXC in Roman numerals.	> 2490 is represented as MMCDXC in Roman numerals.
> 523 is represented as DXXIII in Roman numerals.	> 523 is represented as DXXIII in Roman numerals.
> 1587 is represented as MDLXXXVII in Roman numerals	> 1587 is represented as MDLXXXVII in Roman numerals
> 3206 is represented as MMMCCVI in Roman numerals.	> 3206 is represented as MMMCCVI in Roman numerals.
> 2280 is represented as MMCCCLXXX in Roman numerals.	> 2280 is represented as MMCCCLXXX in Roman numerals.
> 136 is represented as CXXXVI in Roman numerals.	> 136 is represented as CXXXVI in Roman numerals.
> 375 is represented as CCCLXXV in Roman numerals.	> 375 is represented as CCCLXXV in Roman numerals.


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> 2731 is represented as MMDCCXXXI in Roman numerals.
> 1110 is represented as MCX in Roman numerals.
> 3502 is represented as MMMDII in Roman numerals.
> 1752 is represented as MDCCCLII in Roman numerals.
> 567 is represented as DLXVII in Roman numerals.
> 317 is represented as CCCXVII in Roman numerals.
> 155 is represented as CLV in Roman numerals.
> 414 is represented as CDXIV in Roman numerals.
> 3937 is represented as MMMCMXXXVII in Roman numerals.
> 3866 is represented as MMMDCCCLXVI in Roman numerals.
> 3652 is represented as MMMDCLII in Roman numerals.
> 3442 is represented as MMMDXLII in Roman numerals.
> 2013 is represented as MMXIII in Roman numerals.
> 522 is represented as DXXII in Roman numerals.
> 1025 is represented as MXXV in Roman numerals.
> 804 is represented as DCCCIV in Roman numerals.
> 2636 is represented as MMDCXXXVI in Roman numerals.
> 2103 is represented as MMCIII in Roman numerals.
> 631 is represented as DCXXXI in Roman numerals.
> 313 is represented as CCCXIII in Roman numerals.
> 3466 is represented as MMMCDLXVI in Roman numerals.
> 2759 is represented as MMDCCLIX in Roman numerals.
> 3464 is represented as MMMDCLXIV in Roman numerals.
> 415 is represented as CDXV in Roman numerals.
> 3166 is represented as MMMCLXVI in Roman numerals.
> 839 is represented as DCCCXXXIX in Roman numerals.
> 1893 is represented as MDCCCXCIII in Roman numerals.
> 770 is represented as DCCLXX in Roman numerals.
> 2557 is represented as MMDLVII in Roman numerals.
> 2125 is represented as MMCXXV in Roman numerals.
> 493 is represented as CDXCIII in Roman numerals.
> 1581 is represented as MDLXXXI in Roman numerals.
> 240 is represented as CCXL in Roman numerals.
> 2617 is represented as MMDCXVII in Roman numerals.
> 3401 is represented as MMMCDI in Roman numerals.
> 3842 is represented as MMMDCCCXLII in Roman numerals.
> 854 is represented as DCCCLIV in Roman numerals.
> 3162 is represented as MMMCLXII in Roman numerals.
> 2918 is represented as MMCMXVIII in Roman numerals.
> 188 is represented as CLXXXVIII in Roman numerals.
> 1027 is represented as MXXVII in Roman numerals.
> 3763 is represented as MMMDCCCLXIII in Roman numerals.
> 3355 is represented as MMMCCCLV in Roman numerals.
> 812 is represented as DCCCXII in Roman numerals.
> 328 is represented as CCCXXVIII in Roman numerals.
> 1054 is represented as MLIV in Roman numerals.
> 1010 is represented as MX in Roman numerals.
> 92 is represented as XCII in Roman numerals.
> 2687 is represented as MMDCLXXXVII in Roman numerals.
> 1318 is represented as MCCCXVIII in Roman numerals.
> 3160 is represented as MMMCLX in Roman numerals.
> 1907 is represented as MCMVII in Roman numerals.
> 1424 is represented as MCDXXIV in Roman numerals.
> 471 is represented as CDLXXI in Roman numerals.
> 3482 is represented as MMMCDLXXXII in Roman numerals.
> 2081 is represented as MMLXXXI in Roman numerals.
> 1834 is represented as MDCCCXXXIV in Roman numerals.
> 2040 is represented as MMXL in Roman numerals.
> 475 is represented as CDLXXV in Roman numerals.
> 3009 is represented as MMMIX in Roman numerals.
> 1218 is represented as MCCXVIII in Roman numerals.
> 1793 is represented as MDCCXCIII in Roman numerals.
> 1809 is represented as MDCCCIX in Roman numerals.
> 2663 is represented as MMDCLXIII in Roman numerals.
> 1985 is represented as MCMLXXXV in Roman numerals.
> 2639 is represented as MMDCXXXIX in Roman numerals.
> 2468 is represented as MMCDLXVIII in Roman numerals.
> 1544 is represented as MDXLIV in Roman numerals.

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...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test91
```

Test 92 (220 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 3021 is represented as MMMXXI in Roman numerals.	> 3021 is represented as MMMXXI in Roman numerals.
> 263 is represented as CCLXIII in Roman numerals.	> 263 is represented as CCLXIII in Roman numerals.
> 3022 is represented as MMMXXII in Roman numerals.	> 3022 is represented as MMMXXII in Roman numerals.
> 3940 is represented as MMMCMXL in Roman numerals.	> 3940 is represented as MMMCMXL in Roman numerals.

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> 3470 is represented as MMMCDLXX in Roman numerals.
> 2835 is represented as MMDCCCXXXV in Roman numeral
> 1312 is represented as MCCCXII in Roman numerals.
> 1707 is represented as MDCCVII in Roman numerals.
> 3336 is represented as MMMCCCXXXVI in Roman numeral
> 2083 is represented as MMLXXXIII in Roman numerals
> 3016 is represented as MMMXVI in Roman numerals.
> 3214 is represented as MMMCCXIV in Roman numerals.
> 3449 is represented as MMMCDXLIX in Roman numerals
> 258 is represented as CCLVIII in Roman numerals.
> 2226 is represented as MMCCXXVI in Roman numerals.
> 2405 is represented as MMCDV in Roman numerals.
> 2638 is represented as MMDCCXXXVIII in Roman numeral
> 883 is represented as DCCCLXXXIII in Roman numeral
> 2474 is represented as MMCDLXXIV in Roman numerals
> 1140 is represented as MCXL in Roman numerals.
> 1693 is represented as MDCXCIII in Roman numerals.
> 346 is represented as CCCXLVI in Roman numerals.
> 3601 is represented as MMMDCI in Roman numerals.
> 3737 is represented as MMMDCCXXXVII in Roman numeral
> 3472 is represented as MMMCDLXXII in Roman numeral
> 3898 is represented as MMMDCCCXCVIII in Roman numeral
> 2369 is represented as MMCCCLXIX in Roman numerals
> 1154 is represented as MCLIV in Roman numerals.
> 668 is represented as DCLXVIII in Roman numerals.
> 2593 is represented as MMDXCIII in Roman numerals.
> 3540 is represented as MMMDXL in Roman numerals.
> 1215 is represented as MCCXV in Roman numerals.
> 889 is represented as DCCCLXXXIX in Roman numerals
> 1658 is represented as MDCLVIII in Roman numerals.
> 588 is represented as DLXXXVIII in Roman numerals.
> 2379 is represented as MMCCCLXXIX in Roman numeral
> 3295 is represented as MMMCCXCV in Roman numerals.
> 3970 is represented as MMMCMLXX in Roman numerals.
> 2202 is represented as MMCCII in Roman numerals.
> 382 is represented as CCCLXXXII in Roman numerals.
> 1372 is represented as MCCCLXXII in Roman numerals
> 3934 is represented as MMMCMXXXIV in Roman numeral
> 628 is represented as DCXXVIII in Roman numerals.
> 1575 is represented as MDLXXV in Roman numerals.
> 3097 is represented as MMMXCVII in Roman numerals.
> 3151 is represented as MMMCLI in Roman numerals.
> 397 is represented as CCCXCVII in Roman numerals.
> 1675 is represented as MDCLXXV in Roman numerals.
> 1084 is represented as MLXXXIV in Roman numerals.
> 2945 is represented as MMCMXLV in Roman numerals.
> 2864 is represented as MMDCCCLXIV in Roman numeral
> 3231 is represented as MMMCCXXXI in Roman numerals
> 3799 is represented as MMMDCCXCIX in Roman numeral
> 3935 is represented as MMMCMXXXV in Roman numerals
> 1609 is represented as MDCIX in Roman numerals.
> 2877 is represented as MMDCCCLXXVII in Roman numeral
> 1300 is represented as MCCC in Roman numerals.
> 3255 is represented as MMMCCLV in Roman numerals.
> 298 is represented as CCXCVIII in Roman numerals.
> 2244 is represented as MMCCXLIV in Roman numerals.
> 3924 is represented as MMMCMXXIV in Roman numerals
> 1523 is represented as MDXXIII in Roman numerals.
> 506 is represented as DVI in Roman numerals.
> 1565 is represented as MDLXV in Roman numerals.
> 2029 is represented as MMXXIX in Roman numerals.
> 3519 is represented as MMMDXIX in Roman numerals.
> 2396 is represented as MMCCCXCVI in Roman numerals
> 2376 is represented as MMCCCLXXVI in Roman numeral
> 1927 is represented as MCMXXVII in Roman numerals.
> 1071 is represented as MLXXI in Roman numerals.
> 416 is represented as CDXVI in Roman numerals.
> 1965 is represented as MCMLXV in Roman numerals.
> 2917 is represented as MMCMXVII in Roman numerals.
> 121 is represented as CXXI in Roman numerals.
> 502 is represented as DII in Roman numerals.
> 824 is represented as DCCCXXIV in Roman numerals.
> 3604 is represented as MMMDCIV in Roman numerals.
> 540 is represented as DXL in Roman numerals.
> 3326 is represented as MMMCCCXXVI in Roman numeral
> 3100 is represented as MMMC in Roman numerals.
> 1065 is represented as MLXV in Roman numerals.
> 2121 is represented as MMCXXI in Roman numerals.
> 2182 is represented as MMCLXXXII in Roman numerals
> 3630 is represented as MMMDCXXX in Roman numerals.
> 350 is represented as CCCL in Roman numerals.
> 920 is represented as CMXX in Roman numerals.
> 2602 is represented as MMDCII in Roman numerals.
> 3045 is represented as MMMXLV in Roman numerals.

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> 107 is represented as CVII in Roman numerals.
> 1554 is represented as MDLIV in Roman numerals.
> 2119 is represented as MMCXIX in Roman numerals.
> 1855 is represented as MDCCCLV in Roman numerals.
> 1200 is represented as MCC in Roman numerals.
> 2702 is represented as MMDCCII in Roman numerals.
> 1396 is represented as MCCCXCVI in Roman numerals.
> 1456 is represented as MCDLVI in Roman numerals.
> 896 is represented as DCCCXCVI in Roman numerals.
> 3679 is represented as MMMDCLXXIX in Roman numeral
> 2443 is represented as MMCDXLIII in Roman numerals
> 1487 is represented as MCDLXXXVII in Roman numeral

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You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test92
```

Test 93 (230 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 2222 is represented as MMCCXXII in Roman numerals.	> 2222 is represented as MMCCXXII in Roman numerals.
> 3913 is represented as MMMCMXIII in Roman numerals	> 3913 is represented as MMMCMXIII in Roman numerals
> 3756 is represented as MMMDCCLVI in Roman numerals	> 3756 is represented as MMMDCCLVI in Roman numerals
> 1535 is represented as MDXXXV in Roman numerals.	> 1535 is represented as MDXXXV in Roman numerals.
> 116 is represented as CXVI in Roman numerals.	> 116 is represented as CXVI in Roman numerals.
> 3907 is represented as MMMCMVII in Roman numerals.	> 3907 is represented as MMMCMVII in Roman numerals.
> 2342 is represented as MMCCCXLII in Roman numerals	> 2342 is represented as MMCCCXLII in Roman numerals
> 551 is represented as DLI in Roman numerals.	> 551 is represented as DLI in Roman numerals.
> 2330 is represented as MMCCCXXX in Roman numerals.	> 2330 is represented as MMCCCXXX in Roman numerals.
> 1492 is represented as MCDXCII in Roman numerals.	> 1492 is represented as MCDXCII in Roman numerals.
> 2180 is represented as MMCLXXX in Roman numerals.	> 2180 is represented as MMCLXXX in Roman numerals.
> 3716 is represented as MMMDCCXVI in Roman numerals	> 3716 is represented as MMMDCCXVI in Roman numerals
> 1171 is represented as MCLXXI in Roman numerals.	> 1171 is represented as MCLXXI in Roman numerals.
> 884 is represented as DCCCLXXXIV in Roman numerals	> 884 is represented as DCCCLXXXIV in Roman numerals
> 3156 is represented as MMMCLVI in Roman numerals.	> 3156 is represented as MMMCLVI in Roman numerals.
> 1850 is represented as MDCCCL in Roman numerals.	> 1850 is represented as MDCCCL in Roman numerals.
> 3081 is represented as MMMLXXXI in Roman numerals.	> 3081 is represented as MMMLXXXI in Roman numerals.
> 1608 is represented as MDCVIII in Roman numerals.	> 1608 is represented as MDCVIII in Roman numerals.
> 3839 is represented as MMMDCCCXXXIX in Roman numer	> 3839 is represented as MMMDCCCXXXIX in Roman numer
> 2844 is represented as MMDCCCXLIV in Roman numeral	> 2844 is represented as MMDCCCXLIV in Roman numeral
> 1692 is represented as MDCXCII in Roman numerals.	> 1692 is represented as MDCXCII in Roman numerals.
> 2625 is represented as MMDCXXV in Roman numerals.	> 2625 is represented as MMDCXXV in Roman numerals.
> 205 is represented as CCV in Roman numerals.	> 205 is represented as CCV in Roman numerals.
> 67 is represented as LXVII in Roman numerals.	> 67 is represented as LXVII in Roman numerals.
> 1274 is represented as MCCLXXIV in Roman numerals.	> 1274 is represented as MCCLXXIV in Roman numerals.
> 2317 is represented as MMCCCXVII in Roman numerals	> 2317 is represented as MMCCCXVII in Roman numerals
> 1244 is represented as MCCXLIV in Roman numerals.	> 1244 is represented as MCCXLIV in Roman numerals.
> 1934 is represented as MCMXXXIV in Roman numerals.	> 1934 is represented as MCMXXXIV in Roman numerals.
> 1210 is represented as MCCX in Roman numerals.	> 1210 is represented as MCCX in Roman numerals.
> 791 is represented as DCCXI in Roman numerals.	> 791 is represented as DCCXI in Roman numerals.
> 1550 is represented as MDL in Roman numerals.	> 1550 is represented as MDL in Roman numerals.
> 3203 is represented as MMMCCIII in Roman numerals.	> 3203 is represented as MMMCCIII in Roman numerals.
> 466 is represented as CDLXVI in Roman numerals.	> 466 is represented as CDLXVI in Roman numerals.
> 1588 is represented as MDLXXXVIII in Roman numeral	> 1588 is represented as MDLXXXVIII in Roman numeral
> 2885 is represented as MMDCCCLXXXV in Roman numera	> 2885 is represented as MMDCCCLXXXV in Roman numera
> 3198 is represented as MMMCXCVIII in Roman numeral	> 3198 is represented as MMMCXCVIII in Roman numeral
> 2799 is represented as MMDCXCIX in Roman numerals	> 2799 is represented as MMDCXCIX in Roman numerals
> 586 is represented as DLXXXVI in Roman numerals.	> 586 is represented as DLXXXVI in Roman numerals.
> 178 is represented as CLXXVIII in Roman numerals.	> 178 is represented as CLXXVIII in Roman numerals.
> 3511 is represented as MMMDXI in Roman numerals.	> 3511 is represented as MMMDXI in Roman numerals.
> 2186 is represented as MMCLXXXVI in Roman numerals	> 2186 is represented as MMCLXXXVI in Roman numerals
> 2385 is represented as MMCCCLXXXV in Roman numeral	> 2385 is represented as MMCCCLXXXV in Roman numeral
> 3908 is represented as MMMCMVIII in Roman numerals	> 3908 is represented as MMMCMVIII in Roman numerals
> 1093 is represented as MXCIII in Roman numerals.	> 1093 is represented as MXCIII in Roman numerals.
> 3521 is represented as MMMDXXI in Roman numerals.	> 3521 is represented as MMMDXXI in Roman numerals.
> 1908 is represented as MCMVIII in Roman numerals.	> 1908 is represented as MCMVIII in Roman numerals.
> 2545 is represented as MMDXLV in Roman numerals.	> 2545 is represented as MMDXLV in Roman numerals.
> 747 is represented as DCCXLVII in Roman numerals.	> 747 is represented as DCCXLVII in Roman numerals.
> 3283 is represented as MMMCCLXXXIII in Roman numer	> 3283 is represented as MMMCCLXXXIII in Roman numer
> 353 is represented as CCCLIII in Roman numerals.	> 353 is represented as CCCLIII in Roman numerals.
> 2760 is represented as MMDCCCLX in Roman numerals.	> 2760 is represented as MMDCCCLX in Roman numerals.
> 3051 is represented as MMMLI in Roman numerals.	> 3051 is represented as MMMLI in Roman numerals.
> 1080 is represented as MLXXX in Roman numerals.	> 1080 is represented as MLXXX in Roman numerals.
> 3475 is represented as MMMCDLXXV in Roman numerals	> 3475 is represented as MMMCDLXXV in Roman numerals
> 237 is represented as CCXXXVII in Roman numerals.	> 237 is represented as CCXXXVII in Roman numerals.
> 41 is represented as XLI in Roman numerals.	> 41 is represented as XLI in Roman numerals.
> 3436 is represented as MMMCDXXXVI in Roman numeral	> 3436 is represented as MMMCDXXXVI in Roman numeral
> 2649 is represented as MMDCXLIX in Roman numerals.	> 2649 is represented as MMDCXLIX in Roman numerals.
> 2971 is represented as MMCMXXI in Roman numerals.	> 2971 is represented as MMCMXXI in Roman numerals.
> 3118 is represented as MMMCXVIII in Roman numerals	> 3118 is represented as MMMCXVIII in Roman numerals

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> 2717 is represented as MMDCCXVII in Roman numerals
> 1778 is represented as MDCCCLXXVIII in Roman numera
> 314 is represented as CCCXIV in Roman numerals.
> 384 is represented as CCCLXXXIV in Roman numerals.
> 2579 is represented as MMDLXXIX in Roman numerals.
> 2335 is represented as MMCCCXXXV in Roman numerals
> 2697 is represented as MMDCXCVII in Roman numerals
> 2771 is represented as MMDCCLXXI in Roman numerals
> 1881 is represented as MDCCCLXXXI in Roman numeral
> 2679 is represented as MMDCLXXIX in Roman numerals
> 430 is represented as CDXXX in Roman numerals.
> 793 is represented as DCCXCIII in Roman numerals.
> 1469 is represented as MCDLXIX in Roman numerals.
> 2809 is represented as MMDCXCIX in Roman numerals.
> 1714 is represented as MDCCXIV in Roman numerals.
> 2473 is represented as MMCDLXXIII in Roman numeral
> 1514 is represented as MDXIV in Roman numerals.
> 795 is represented as DCCXCV in Roman numerals.
> 657 is represented as DCLVII in Roman numerals.
> 2867 is represented as MMDCCLXVII in Roman numera
> 2956 is represented as MMCMLVI in Roman numerals.
> 1418 is represented as MCDXVIII in Roman numerals.
> 1725 is represented as MDCCXXV in Roman numerals.
> 3976 is represented as MMMCMLXXVI in Roman numeral
> 3825 is represented as MMMDCCCXXV in Roman numeral
> 2114 is represented as MMCXIV in Roman numerals.
> 1948 is represented as MCMXLVIII in Roman numerals
> 1956 is represented as MCMLVI in Roman numerals.
> 1735 is represented as MDCCXXXV in Roman numerals.
> 562 is represented as DLXII in Roman numerals.
> 2876 is represented as MMDCCLXXVI in Roman numera
> 882 is represented as DCCCLXXXII in Roman numerals
> 2113 is represented as MMCXIII in Roman numerals.
> 2137 is represented as MMCXXXVII in Roman numerals
> 2233 is represented as MMCCXXXIII in Roman numeral
> 273 is represented as CCLXXIII in Roman numerals.
> 1388 is represented as MCCCLXXXVIII in Roman numer
> 2797 is represented as MMDCXCXVII in Roman numeral
> 1999 is represented as MCMXCIX in Roman numerals.
> 3503 is represented as MMMDIII in Roman numerals.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test93
```

Test 94 (240 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 3864 is represented as MMMDCCCLXIV in Roman numera	> 3864 is represented as MMMDCCCLXIV in Roman numera
> 2739 is represented as MMDCXXXIX in Roman numeral	> 2739 is represented as MMDCXXXIX in Roman numeral
> 2313 is represented as MMCCXIII in Roman numerals	> 2313 is represented as MMCCXIII in Roman numerals
> 3056 is represented as MMLVI in Roman numerals.	> 3056 is represented as MMLVI in Roman numerals.
> 1426 is represented as MCDXXVI in Roman numerals.	> 1426 is represented as MCDXXVI in Roman numerals.
> 17 is represented as XVII in Roman numerals.	> 17 is represented as XVII in Roman numerals.
> 1475 is represented as MCDLXXV in Roman numerals.	> 1475 is represented as MCDLXXV in Roman numerals.
> 2170 is represented as MMCLXX in Roman numerals.	> 2170 is represented as MMCLXX in Roman numerals.
> 180 is represented as CLXXX in Roman numerals.	> 180 is represented as CLXXX in Roman numerals.
> 1001 is represented as MI in Roman numerals.	> 1001 is represented as MI in Roman numerals.
> 3868 is represented as MMMDCCCLXVIII in Roman nume	> 3868 is represented as MMMDCCCLXVIII in Roman nume
> 1704 is represented as MDCCIV in Roman numerals.	> 1704 is represented as MDCCIV in Roman numerals.
> 201 is represented as CCI in Roman numerals.	> 201 is represented as CCI in Roman numerals.
> 2269 is represented as MMCCCLXIX in Roman numerals.	> 2269 is represented as MMCCCLXIX in Roman numerals.
> 15 is represented as XV in Roman numerals.	> 15 is represented as XV in Roman numerals.
> 825 is represented as DCCCXXV in Roman numerals.	> 825 is represented as DCCCXXV in Roman numerals.
> 348 is represented as CCCXLVIII in Roman numerals.	> 348 is represented as CCCXLVIII in Roman numerals.
> 3619 is represented as MMMDCXIX in Roman numerals.	> 3619 is represented as MMMDCXIX in Roman numerals.
> 2341 is represented as MMCCCXLI in Roman numerals.	> 2341 is represented as MMCCCXLI in Roman numerals.
> 662 is represented as DCLXII in Roman numerals.	> 662 is represented as DCLXII in Roman numerals.
> 3125 is represented as MMMCXXV in Roman numerals.	> 3125 is represented as MMMCXXV in Roman numerals.
> 3695 is represented as MMMDCXCV in Roman numerals.	> 3695 is represented as MMMDCXCV in Roman numerals.
> 1749 is represented as MDCCXLIX in Roman numerals.	> 1749 is represented as MDCCXLIX in Roman numerals.
> 96 is represented as XCVI in Roman numerals.	> 96 is represented as XCVI in Roman numerals.
> 1443 is represented as MCDXLIII in Roman numerals.	> 1443 is represented as MCDXLIII in Roman numerals.
> 1060 is represented as MLX in Roman numerals.	> 1060 is represented as MLX in Roman numerals.
> 1716 is represented as MDCCXVI in Roman numerals.	> 1716 is represented as MDCCXVI in Roman numerals.
> 474 is represented as CDLXXIV in Roman numerals.	> 474 is represented as CDLXXIV in Roman numerals.
> 3875 is represented as MMMDCCCLXXV in Roman numera	> 3875 is represented as MMMDCCCLXXV in Roman numera
> 2291 is represented as MMCCXCI in Roman numerals.	> 2291 is represented as MMCCXCI in Roman numerals.
> 3636 is represented as MMMDCXXXVI in Roman numeral	> 3636 is represented as MMMDCXXXVI in Roman numeral
> 1604 is represented as MDCIV in Roman numerals.	> 1604 is represented as MDCIV in Roman numerals.

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> 2026 is represented as MMXXVI in Roman numerals.
> 1873 is represented as MDCCCLXXIII in Roman numera
> 94 is represented as XCIV in Roman numerals.
> 3896 is represented as MMMDCCCXCVI in Roman numera
> 3645 is represented as MMMDCXLV in Roman numerals.
> 1147 is represented as MCXLVII in Roman numerals.
> 1777 is represented as MDCCCLXXVII in Roman numeral
> 2459 is represented as MMCDLIX in Roman numerals.
> 2875 is represented as MMDCCCLXXV in Roman numeral
> 1505 is represented as MDV in Roman numerals.
> 3685 is represented as MMMDCLXXXV in Roman numeral
> 2926 is represented as MMCXXVI in Roman numerals.
> 2056 is represented as MMLVI in Roman numerals.
> 3126 is represented as MMMCXXVI in Roman numerals.
> 2353 is represented as MMCCCLIII in Roman numerals
> 127 is represented as CXXVII in Roman numerals.
> 749 is represented as DCCXLIX in Roman numerals.
> 2586 is represented as MMDLXXXVI in Roman numerals
> 1387 is represented as MCCCLXXXVII in Roman numera
> 951 is represented as CMLI in Roman numerals.
> 3357 is represented as MMMCCCLVII in Roman numeral
> 3911 is represented as MMMCMXI in Roman numerals.
> 1686 is represented as MDCLXXXVI in Roman numerals
> 2044 is represented as MMXLIV in Roman numerals.
> 1455 is represented as MCDLV in Roman numerals.
> 1291 is represented as MCCXCI in Roman numerals.
> 1528 is represented as MDXXVIII in Roman numerals.
> 61 is represented as LXI in Roman numerals.
> 1620 is represented as MDCXX in Roman numerals.
> 530 is represented as DXXX in Roman numerals.
> 3152 is represented as MMMCLII in Roman numerals.
> 3838 is represented as MMMDCCCXXXVIII in Roman num
> 1375 is represented as MCCCLXXV in Roman numerals.
> 2899 is represented as MMDCCCXCIX in Roman numeral
> 3046 is represented as MMMXLVI in Roman numerals.
> 3677 is represented as MMMDCLXXVII in Roman numera
> 799 is represented as DCCXCIX in Roman numerals.
> 3423 is represented as MMMCDXXIII in Roman numeral
> 581 is represented as DLXXXI in Roman numerals.
> 3058 is represented as MMMLVIII in Roman numerals.
> 1872 is represented as MDCCCLXXII in Roman numeral
> 1354 is represented as MCCCLIV in Roman numerals.
> 1978 is represented as MCMLXXVIII in Roman numeral
> 2092 is represented as MMXCII in Roman numerals.
> 2658 is represented as MMDCLVIII in Roman numerals
> 1912 is represented as MCMXII in Roman numerals.
> 664 is represented as DCLXIV in Roman numerals.
> 3650 is represented as MMMDCL in Roman numerals.
> 2802 is represented as MMDCCCII in Roman numerals.
> 3926 is represented as MMMCMXXVI in Roman numerals
> 1097 is represented as MXCVII in Roman numerals.
> 3586 is represented as MMMDLXXXVI in Roman numeral
> 3751 is represented as MMMDCCLI in Roman numerals.
> 3199 is represented as MMMCXCI in Roman numerals.
> 1705 is represented as MDCCV in Roman numerals.
> 2458 is represented as MMCDLVIII in Roman numerals
> 1673 is represented as MDCLXXIII in Roman numerals
> 1951 is represented as MCMLI in Roman numerals.
> 1844 is represented as MDCCCXLIV in Roman numerals
> 3877 is represented as MMMDCCCLXXVII in Roman nume
> 48 is represented as XLVIII in Roman numerals.
> 366 is represented as CCCLXVI in Roman numerals.
> 372 is represented as CCCLXXII in Roman numerals.
> 453 is represented as CDLIII in Roman numerals.
> 3179 is represented as MMMCLXXIX in Roman numerals
> 2487 is represented as MMCDLXXXVII in Roman numera
> 145 is represented as CXLV in Roman numerals.
> 3393 is represented as MMMCCCXIII in Roman numera

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...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test94
```

Test 95 (250 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 1958 is represented as MCMLVIII in Roman numerals.	> 1958 is represented as MCMLVIII in Roman numerals.
> 3561 is represented as MMMDLXI in Roman numerals.	> 3561 is represented as MMMDLXI in Roman numerals.
> 735 is represented as DCCXXXV in Roman numerals.	> 735 is represented as DCCXXXV in Roman numerals.
> 2978 is represented as MMCMLXXVIII in Roman numera	> 2978 is represented as MMCMLXXVIII in Roman numera

> 609 is represented as DCIX in Roman numerals.
> 2120 is represented as MMCXX in Roman numerals.
> 2452 is represented as MMCDLII in Roman numerals.
> 2296 is represented as MMCCXCVI in Roman numerals.
> 3856 is represented as MMMDCCCLVI in Roman numeral
> 110 is represented as CX in Roman numerals.
> 719 is represented as DCCXIX in Roman numerals.
> 2541 is represented as MMDXLI in Roman numerals.
> 70 is represented as LXX in Roman numerals.
> 1313 is represented as MCCCXIII in Roman numerals.
> 213 is represented as CCXIII in Roman numerals.
> 555 is represented as DLV in Roman numerals.
> 1954 is represented as MCMLIV in Roman numerals.
> 585 is represented as DLXXXV in Roman numerals.
> 2117 is represented as MMCXVII in Roman numerals.
> 1405 is represented as MCDV in Roman numerals.
> 2779 is represented as MMDCCLXXIX in Roman numeral
> 3902 is represented as MMMCMII in Roman numerals.
> 253 is represented as CCLIII in Roman numerals.
> 1175 is represented as MCLXXV in Roman numerals.
> 3078 is represented as MMMLXXVIII in Roman numeral
> 2432 is represented as MMCDXXXII in Roman numerals
> 228 is represented as CCXXVIII in Roman numerals.
> 1037 is represented as MXXXVII in Roman numerals.
> 1156 is represented as MCLVI in Roman numerals.
> 2855 is represented as MMDCCCLV in Roman numerals.
> 2362 is represented as MMCCCLXII in Roman numerals
> 2281 is represented as MMCCCLXXXI in Roman numerals
> 1449 is represented as MCDXLIX in Roman numerals.
> 1994 is represented as MCMXCIV in Roman numerals.
> 407 is represented as CDVII in Roman numerals.
> 961 is represented as CMLXI in Roman numerals.
> 1466 is represented as MCDLXVI in Roman numerals.
> 396 is represented as CCCXCVI in Roman numerals.
> 1981 is represented as MCMLXXXI in Roman numerals.
> 2398 is represented as MMCCCXCVIII in Roman numera
> 2075 is represented as MMLXXV in Roman numerals.
> 1998 is represented as MCMXCVIII in Roman numerals
> 2621 is represented as MMDCXXI in Roman numerals.
> 2924 is represented as MMCMXXIV in Roman numerals.
> 1192 is represented as MCXCII in Roman numerals.
> 1511 is represented as MDXI in Roman numerals.
> 2619 is represented as MMDCXIX in Roman numerals.
> 968 is represented as CMLXVIII in Roman numerals.
> 63 is represented as LXIII in Roman numerals.
> 1987 is represented as MCMLXXXVII in Roman numeral
> 866 is represented as DCCCLXVI in Roman numerals.
> 36 is represented as XXXVI in Roman numerals.
> 3251 is represented as MMMCCLI in Roman numerals.
> 3285 is represented as MMMCCLXXXV in Roman numeral
> 11 is represented as XI in Roman numerals.
> 1972 is represented as MCMLXXII in Roman numerals.
> 979 is represented as CMLXXIX in Roman numerals.
> 3682 is represented as MMMDCLXXXII in Roman numera
> 2322 is represented as MMCCCXXII in Roman numerals
> 1092 is represented as MXCII in Roman numerals.
> 3490 is represented as MMMCDXC in Roman numerals.
> 1830 is represented as MDCCCXXX in Roman numerals.
> 347 is represented as CCCXLVII in Roman numerals.
> 183 is represented as CLXXXIII in Roman numerals.
> 2893 is represented as MMDCCCXCIII in Roman numera
> 344 is represented as CCCXLIV in Roman numerals.
> 3581 is represented as MMMDLXXXI in Roman numerals
> 3468 is represented as MMMCDLXVIII in Roman numera
> 2833 is represented as MMDCCCXXXIII in Roman numer
> 1077 is represented as MLXXVII in Roman numerals.
> 3516 is represented as MMMDXVI in Roman numerals.
> 953 is represented as CMLIII in Roman numerals.
> 2989 is represented as MMCMLXXXIX in Roman numeral
> 3229 is represented as MMMCCXXIX in Roman numerals
> 3755 is represented as MMMDCCLV in Roman numerals.
> 681 is represented as DCLXXXI in Roman numerals.
> 1564 is represented as MDLXIV in Roman numerals.
> 137 is represented as CXXXVII in Roman numerals.
> 3223 is represented as MMCCXXXIII in Roman numeral
> 3949 is represented as MMMCMXLIX in Roman numerals
> 3352 is represented as MMMCCCLII in Roman numerals
> 196 is represented as CXCVI in Roman numerals.
> 2464 is represented as MMCDLXIV in Roman numerals.
> 3416 is represented as MMMCDXVI in Roman numerals.
> 179 is represented as CLXXIX in Roman numerals.
> 1397 is represented as MCCCXCVII in Roman numerals
> 1317 is represented as MCCCXVII in Roman numerals.
> 865 is represented as DCCCLXV in Roman numerals.

```

> 1691 is represented as MDCXCI in Roman numerals.
> 1720 is represented as MDCCXX in Roman numerals.
> 2787 is represented as MMDCCCLXXXVII in Roman numerals.
> 2673 is represented as MMDCCLXXIII in Roman numerals.
> 2477 is represented as MMCDLXXVII in Roman numerals.
> 418 is represented as CDXVIII in Roman numerals.
> 247 is represented as CCXLVII in Roman numerals.
> 972 is represented as CMLXXII in Roman numerals.
> 2247 is represented as MMCCXLVII in Roman numerals.
> 1926 is represented as MCMXXVI in Roman numerals.
> 3644 is represented as MMMDCXLIV in Roman numerals.
> 1626 is represented as MDCXXVI in Roman numerals.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test95
```

Test 96 (260 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> 702 is represented as DCCII in Roman numerals.	> 702 is represented as DCCII in Roman numerals.
> 2860 is represented as MMDCCLX in Roman numerals.	> 2860 is represented as MMDCCLX in Roman numerals.
> 2634 is represented as MMDCXXXIV in Roman numerals.	> 2634 is represented as MMDCXXXIV in Roman numerals.
> 1687 is represented as MDCLXXXVII in Roman numerals.	> 1687 is represented as MDCLXXXVII in Roman numerals.
> 517 is represented as DXVII in Roman numerals.	> 517 is represented as DXVII in Roman numerals.
> 2674 is represented as MMDCCLXXIV in Roman numerals.	> 2674 is represented as MMDCCLXXIV in Roman numerals.
> 1897 is represented as MDCCCXCVII in Roman numerals.	> 1897 is represented as MDCCCXCVII in Roman numerals.
> 3734 is represented as MMMDCXXXIV in Roman numerals.	> 3734 is represented as MMMDCXXXIV in Roman numerals.
> 658 is represented as DCLVIII in Roman numerals.	> 658 is represented as DCLVIII in Roman numerals.
> 1853 is represented as MDCCCLIII in Roman numerals.	> 1853 is represented as MDCCCLIII in Roman numerals.
> 2573 is represented as MMDLXXIII in Roman numerals.	> 2573 is represented as MMDLXXIII in Roman numerals.
> 203 is represented as CCIII in Roman numerals.	> 203 is represented as CCIII in Roman numerals.
> 623 is represented as DCXXIII in Roman numerals.	> 623 is represented as DCXXIII in Roman numerals.
> 3643 is represented as MMMDCXLIII in Roman numerals.	> 3643 is represented as MMMDCXLIII in Roman numerals.
> 3347 is represented as MMMCCCXLVII in Roman numerals.	> 3347 is represented as MMMCCCXLVII in Roman numerals.
> 2923 is represented as MMCMXXIII in Roman numerals.	> 2923 is represented as MMCMXXIII in Roman numerals.
> 1696 is represented as MDCXCVI in Roman numerals.	> 1696 is represented as MDCXCVI in Roman numerals.
> 342 is represented as CCCXLII in Roman numerals.	> 342 is represented as CCCXLII in Roman numerals.
> 1920 is represented as MCMXX in Roman numerals.	> 1920 is represented as MCMXX in Roman numerals.
> 2778 is represented as MMDCCLXXVIII in Roman numerals.	> 2778 is represented as MMDCCLXXVIII in Roman numerals.
> 2382 is represented as MMCCCLXXXII in Roman numerals.	> 2382 is represented as MMCCCLXXXII in Roman numerals.
> 1579 is represented as MDLXXIX in Roman numerals.	> 1579 is represented as MDLXXIX in Roman numerals.
> 1323 is represented as MCCCXXIII in Roman numerals.	> 1323 is represented as MCCCXXIII in Roman numerals.
> 3785 is represented as MMMDCCLXXXV in Roman numerals.	> 3785 is represented as MMMDCCLXXXV in Roman numerals.
> 2442 is represented as MMCDXLII in Roman numerals.	> 2442 is represented as MMCDXLII in Roman numerals.
> 2241 is represented as MMCCXLI in Roman numerals.	> 2241 is represented as MMCCXLI in Roman numerals.
> 3428 is represented as MMMCDXXVIII in Roman numerals.	> 3428 is represented as MMMCDXXVIII in Roman numerals.
> 3234 is represented as MMMCCXXXIV in Roman numerals.	> 3234 is represented as MMMCCXXXIV in Roman numerals.
> 3731 is represented as MMMDCXXXI in Roman numerals.	> 3731 is represented as MMMDCXXXI in Roman numerals.
> 3484 is represented as MMMCDLXXXIV in Roman numerals.	> 3484 is represented as MMMCDLXXXIV in Roman numerals.
> 1474 is represented as MCDLXXIV in Roman numerals.	> 1474 is represented as MCDLXXIV in Roman numerals.
> 1202 is represented as MCCII in Roman numerals.	> 1202 is represented as MCCII in Roman numerals.
> 996 is represented as CMXCVI in Roman numerals.	> 996 is represented as CMXCVI in Roman numerals.
> 3745 is represented as MMMDCCLXV in Roman numerals.	> 3745 is represented as MMMDCCLXV in Roman numerals.
> 1269 is represented as MCCLXIX in Roman numerals.	> 1269 is represented as MCCLXIX in Roman numerals.
> 1391 is represented as MCCCXCI in Roman numerals.	> 1391 is represented as MCCCXCI in Roman numerals.
> 1478 is represented as MCDLXXVIII in Roman numerals.	> 1478 is represented as MCDLXXVIII in Roman numerals.
> 2772 is represented as MMDCCLXXII in Roman numerals.	> 2772 is represented as MMDCCLXXII in Roman numerals.
> 483 is represented as CDLXXXIII in Roman numerals.	> 483 is represented as CDLXXXIII in Roman numerals.
> 1484 is represented as MCDLXXXIV in Roman numerals.	> 1484 is represented as MCDLXXXIV in Roman numerals.
> 541 is represented as DXLI in Roman numerals.	> 541 is represented as DXLI in Roman numerals.
> 1011 is represented as MXI in Roman numerals.	> 1011 is represented as MXI in Roman numerals.
> 1500 is represented as MD in Roman numerals.	> 1500 is represented as MD in Roman numerals.
> 903 is represented as CMIII in Roman numerals.	> 903 is represented as CMIII in Roman numerals.
> 225 is represented as CCXXV in Roman numerals.	> 225 is represented as CCXXV in Roman numerals.
> 1527 is represented as MDXXVII in Roman numerals.	> 1527 is represented as MDXXVII in Roman numerals.
> 1507 is represented as MDVII in Roman numerals.	> 1507 is represented as MDVII in Roman numerals.
> 1294 is represented as MCCXCIV in Roman numerals.	> 1294 is represented as MCCXCIV in Roman numerals.
> 3563 is represented as MMMDLXIII in Roman numerals.	> 3563 is represented as MMMDLXIII in Roman numerals.
> 737 is represented as DCCXXXVII in Roman numerals.	> 737 is represented as DCCXXXVII in Roman numerals.
> 2426 is represented as MMCDXXVI in Roman numerals.	> 2426 is represented as MMCDXXVI in Roman numerals.
> 3149 is represented as MMMCXLI in Roman numerals.	> 3149 is represented as MMMCXLI in Roman numerals.
> 962 is represented as CMLXII in Roman numerals.	> 962 is represented as CMLXII in Roman numerals.
> 276 is represented as CCLXXVI in Roman numerals.	> 276 is represented as CCLXXVI in Roman numerals.
> 1553 is represented as MDLIII in Roman numerals.	> 1553 is represented as MDLIII in Roman numerals.
> 1303 is represented as MCCCIII in Roman numerals.	> 1303 is represented as MCCCIII in Roman numerals.
> 86 is represented as LXXXVI in Roman numerals.	> 86 is represented as LXXXVI in Roman numerals.
> 3820 is represented as MMMDCCCXX in Roman numerals.	> 3820 is represented as MMMDCCCXX in Roman numerals.
> 477 is represented as CDLXXVII in Roman numerals.	> 477 is represented as CDLXXVII in Roman numerals.
> 66 is represented as LXVI in Roman numerals.	> 66 is represented as LXVI in Roman numerals.

```

> 2192 is represented as MMCXCII in Roman numerals.
> 204 is represented as CCIV in Roman numerals.
> 2749 is represented as MMDCCXLIX in Roman numerals
> 3901 is represented as MMMCMI in Roman numerals.
> 2786 is represented as MMDCCCLXXXVI in Roman numeral
> 1373 is represented as MCCCLXXIII in Roman numeral
> 949 is represented as CMXLIX in Roman numerals.
> 2409 is represented as MMCDIX in Roman numerals.
> 3748 is represented as MMMDCCXLVIII in Roman numeral
> 2275 is represented as MMCCCLXXV in Roman numerals.
> 1180 is represented as MCLXXX in Roman numerals.
> 1976 is represented as MCMLXXVI in Roman numerals.
> 2929 is represented as MMCMLXXIX in Roman numerals.
> 787 is represented as DCCLXXXVII in Roman numerals.
> 3359 is represented as MMMCCCLIX in Roman numerals
> 3690 is represented as MMMDCXC in Roman numerals.
> 2032 is represented as MMXXXII in Roman numerals.
> 3505 is represented as MMMDV in Roman numerals.
> 1358 is represented as MCCCLVIII in Roman numerals
> 3523 is represented as MMMDXXIII in Roman numerals
> 3614 is represented as MMMDCXIV in Roman numerals.
> 1282 is represented as MCCLXXXII in Roman numerals
> 1104 is represented as MCIV in Roman numerals.
> 813 is represented as DCCCXIII in Roman numerals.
> 3052 is represented as MMMLII in Roman numerals.
> 2157 is represented as MMCLVII in Roman numerals.
> 2732 is represented as MMDCCXXXII in Roman numerals
> 330 is represented as CCCXXX in Roman numerals.
> 2643 is represented as MMDCLIII in Roman numerals
> 1751 is represented as MDCCLI in Roman numerals.
> 2324 is represented as MMCCCXXIV in Roman numerals
> 2364 is represented as MMCCCLXIV in Roman numerals
> 1211 is represented as MCCXI in Roman numerals.
> 1682 is represented as MDCLXXXII in Roman numerals
> 331 is represented as CCCXXXI in Roman numerals.
> 1353 is represented as MCCCLIII in Roman numerals.
> 3389 is represented as MMMCCCLXXXIX in Roman numeral
> 239 is represented as CCXXXIX in Roman numerals.
> 1003 is represented as MIII in Roman numerals.
> 2123 is represented as MMCXXIII in Roman numerals.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test96

```

Test 97 (270 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> 234 is represented as CCXXXIV in Roman numerals.
	> 3487 is represented as MMMCDLXXXVII in Roman numeral
	> 814 is represented as DCCCXIV in Roman numerals.
	> 2063 is represented as MMLXIII in Roman numerals.
	> 1351 is represented as MCCCLI in Roman numerals.
	> 1335 is represented as MCCCXXXV in Roman numerals.
	> 3809 is represented as MMMDCCCIX in Roman numerals
	> 1997 is represented as MCMXCVII in Roman numerals.
	> 3377 is represented as MMMCCCLXXVII in Roman numeral
	> 2831 is represented as MMDCCCXXI in Roman numeral
	> 797 is represented as DCCXCVII in Roman numerals.
	> 3728 is represented as MMMDCCXXVIII in Roman numeral
	> 731 is represented as DCCXXXI in Roman numerals.
	> 514 is represented as DXIV in Roman numerals.
	> 3273 is represented as MMMCCLXXIII in Roman numeral
	> 1684 is represented as MDCLXXXIV in Roman numerals
	> 3873 is represented as MMMDCCCLXXIII in Roman numeral
	> 1132 is represented as MCXXXII in Roman numerals.
	> 3640 is represented as MMMDCCXL in Roman numerals.
	> 355 is represented as CCCLV in Roman numerals.
	> 3906 is represented as MMMCMVI in Roman numerals.
	> 421 is represented as CDXXI in Roman numerals.
	> 3803 is represented as MMMDCCCIII in Roman numeral
	> 1982 is represented as MCMLXXXII in Roman numerals
	> 1558 is represented as MDLVIII in Roman numerals.
	> 3923 is represented as MMMCMXXXIII in Roman numeral
	> 1040 is represented as MXL in Roman numerals.
	> 2630 is represented as MMDCXXX in Roman numerals.
	> 1651 is represented as MDCLI in Roman numerals.
	> 261 is represented as CCLXI in Roman numerals.
	> 3071 is represented as MMMLXXI in Roman numerals.
	> 3514 is represented as MMMDXIV in Roman numerals.


```

> 3947 is represented as MMMCMXLVII in Roman numeral
> 2236 is represented as MMCCXXXVI in Roman numerals
> 3120 is represented as MMMCXX in Roman numerals.
> 2745 is represented as MMDCCLXXV in Roman numerals.
> 1066 is represented as MLXVI in Roman numerals.
> 1165 is represented as MCLXV in Roman numerals.
> 2195 is represented as MMCXCV in Roman numerals.
> 2189 is represented as MMCLXXXIX in Roman numerals
> 809 is represented as DCCCIX in Roman numerals.
> 1265 is represented as MCCLXV in Roman numerals.
> 3676 is represented as MMMDCLXXVI in Roman numeral
> 2388 is represented as MMCCCLXXXVIII in Roman nume
> 1635 is represented as MDCXXXV in Roman numerals.
> 2554 is represented as MMDLIV in Roman numerals.
> 2647 is represented as MMDCXLVII in Roman numerals
> 3158 is represented as MMMCLVIII in Roman numerals
> 2171 is represented as MMCLXXI in Roman numerals.
> 1594 is represented as MDXCIV in Roman numerals.
> 2827 is represented as MMDCCLXXVII in Roman numera
> 1543 is represented as MDXLIII in Roman numerals.
> 3417 is represented as MMMCDXVII in Roman numerals
> 2143 is represented as MMCXLIII in Roman numerals.
> 3855 is represented as MMMDCCCLV in Roman numerals
> 2288 is represented as MMCCCLXXXVIII in Roman numer
> 919 is represented as CMXIX in Roman numerals.
> 2196 is represented as MMCXCVI in Roman numerals.
> 744 is represented as DCCXLIV in Roman numerals.
> 3714 is represented as MMMDCCXIV in Roman numerals
> 725 is represented as DCCXXV in Roman numerals.
> 2124 is represented as MMCXXIV in Roman numerals.
> 1279 is represented as MCCLXXIX in Roman numerals.
> 1438 is represented as MCDXXXVIII in Roman numeral
> 902 is represented as CMII in Roman numerals.
> 2543 is represented as MMDXLIII in Roman numerals.
> 2949 is represented as MMCMLXIX in Roman numerals.
> 2307 is represented as MMCCCVII in Roman numerals.
> 3509 is represented as MMMDIX in Roman numerals.
> 3607 is represented as MMMDCVII in Roman numerals.
> 2059 is represented as MMLIX in Roman numerals.
> 490 is represented as CDXC in Roman numerals.
> 2215 is represented as MMCCXV in Roman numerals.
> 721 is represented as DCCXXI in Roman numerals.
> 3522 is represented as MMMDXXII in Roman numerals.
> 890 is represented as DCCCXC in Roman numerals.
> 2946 is represented as MMCMLVI in Roman numerals.
> 3387 is represented as MMMCCCLXXXVII in Roman nume
> 1633 is represented as MDCXXXIII in Roman numerals
> 1772 is represented as MDCCCLXXII in Roman numerals
> 2249 is represented as MMCCCLXIX in Roman numerals.
> 72 is represented as LXXII in Roman numerals.
> 615 is represented as DCXV in Roman numerals.
> 2938 is represented as MMCMLXXXVIII in Roman numera
> 1311 is represented as MCCCXI in Roman numerals.
> 1309 is represented as MCCCIX in Roman numerals.
> 3841 is represented as MMMDCCCXLI in Roman numeral
> 3346 is represented as MMMCCCXLVI in Roman numeral
> 2128 is represented as MMCXXVIII in Roman numerals
> 2577 is represented as MMDLXXVII in Roman numerals
> 400 is represented as CD in Roman numerals.
> 3967 is represented as MMMCMLXVII in Roman numeral
> 1630 is represented as MDCXXX in Roman numerals.
> 3441 is represented as MMMCDXLI in Roman numerals.
> 858 is represented as DCCCLVIII in Roman numerals.
> 913 is represented as CMXIII in Roman numerals.
> 3269 is represented as MMMCCLXIX in Roman numerals
> 1776 is represented as MDCCCLXXVI in Roman numerals
> 3365 is represented as MMMCCCLXV in Roman numerals
> 2338 is represented as MMCCCXXXVIII in Roman numer

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc decimal_to_roman.c -o decimal_to_roman
```

```
./decimal_to_roman </home/cs1911/public_html/14s1/assignments/ass1/tests/test97
```

```

Test 98 (I) - passed
Test 99 (II) - passed
Test 100 (III) - passed
Test 101 (IV) - passed
Test 102 (V) - passed
Test 103 (VI) - passed
Test 104 (VII) - passed
Test 105 (VIII) - passed
Test 106 (IX) - passed
Test 107 (X) - passed

```

```

Test 108 (XVI) - passed
Test 109 (XXIV) - passed
Test 110 (CCV) - passed
Test 111 (CCCLII) - passed
Test 112 (CDI) - passed
Test 113 (CDLXXX) - passed
Test 114 (DLXXX) - passed
Test 115 (DCCIII) - passed
Test 116 (DCCCLXXVI) - passed
Test 117 (MLIV) - passed
Test 118 (MLXXI) - passed
Test 119 (MXCV) - passed
Test 120 (MCLXXVII) - passed
Test 121 (MCCXXVII) - passed
Test 122 (MCCXXXVIII) - passed
Test 123 (MCCXLIV) - passed
Test 124 (MCCCIX) - passed
Test 125 (MDCC) - passed
Test 126 (MDCCXLVI) - passed
Test 127 (MDCCXCII) - passed
Test 128 (MMLXXIII) - passed
Test 129 (MMLXXXII) - passed
Test 130 (MMCC LXI) - passed
Test 131 (MMCC LXXXVIII) - passed
Test 132 (MMCCXCI) - passed
Test 133 (MMCCCIV) - passed
Test 134 (MMCCCX) - passed
Test 135 (MMCDXXXVII) - passed
Test 136 (MMCDXL) - passed
Test 137 (MMDXXXVIII) - passed
Test 138 (MMDLV) - passed
Test 139 (MMDLXIII) - passed
Test 140 (MMDCLXXXII) - passed
Test 141 (MMDCLXXXIV) - passed
Test 142 (MMDCCCVIII) - passed
Test 143 (MMCMLVII) - passed
Test 144 (MMCMXC) - passed
Test 145 (MMMXXIV) - passed
Test 146 (MMMXLIX) - passed
Test 147 (MMMCIX) - passed
Test 148 (MMMCLXVI) - passed
Test 149 (MMMCCXI) - passed
Test 150 (MMMCC LXXXI) - passed
Test 151 (MMMCC CXXXIX) - passed
Test 152 (MMMCC CLXXXIII) - passed
Test 153 (MMMDCXVI) - passed
Test 154 (MMMDC XXXVII) - passed
Test 155 (MMMDCXLIX) - passed
Test 156 (MMMDC LVI) - passed
Test 157 (MMMDCXCI) - passed
Test 158 (MMCMXC) - passed
Test 159 (MMCMXCI) - passed
Test 160 (MMCMXCII) - passed
Test 161 (MMCMXCIII) - passed
Test 162 (MMCMXCIV) - passed
Test 163 (MMCMXCV) - passed
Test 164 (MMCMXCVI) - passed
Test 165 (MMCMXCVII) - passed
Test 166 (MMCMXCVIII) - passed
Test 167 (MMCMXCIX) - passed
Test 168 (10 random numbers) - passed
Test 169 (20 random numbers) - passed
Test 170 (30 random numbers) - passed
Test 171 (40 random numbers) - passed
Test 172 (50 random numbers) - passed
Test 173 (60 random numbers) - failed

```

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> MMCCXLIII in Roman numerals is 2243 in decimal.
	> MMMCCCVII in Roman numerals is 3307 in decimal.
	> CCXCVI in Roman numerals is 296 in decimal.
	> DXXIX in Roman numerals is 529 in decimal.
	> MMMCCCLXIX in Roman numerals is 3369 in decimal.
	> MMMDCXCI in Roman numerals is 3791 in decimal.
	> MCMLXVI in Roman numerals is 1966 in decimal.
	> CLXXIII in Roman numerals is 173 in decimal.
	> MMCCCLIX in Roman numerals is 2359 in decimal.
	> MMCLV in Roman numerals is 2155 in decimal.

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test173

Test 174 (70 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> MMMDCCXCVII in Roman numerals is 3797 in decimal.
	> DCLXXI in Roman numerals is 681 in decimal.
	> MMMCCCLXXIII in Roman numerals is 3373 in decimal.
	> MMDCLIII in Roman numerals is 2653 in decimal.
	> CDXXIX in Roman numerals is 429 in decimal.
	> MCMXIII in Roman numerals is 2913 in decimal.
	> MMMCCLXIX in Roman numerals is 3269 in decimal.
	> MMDCCXLIX in Roman numerals is 2749 in decimal.
	> DCCCLXXIII in Roman numerals is 873 in decimal.
	> MMMDXIX in Roman numerals is 3519 in decimal.
	> MMCDLXXII in Roman numerals is 2472 in decimal.
	> MMMCXXII in Roman numerals is 3122 in decimal.
	> CX in Roman numerals is 110 in decimal.
	> MDCI in Roman numerals is 1601 in decimal.
	> DCCIX in Roman numerals is 719 in decimal.
	> MCLXVII in Roman numerals is 1167 in decimal.
	> MMMCCXIV in Roman numerals is 3314 in decimal.
	> MMMDCLXXIII in Roman numerals is 3773 in decimal.
	> MMCDLXI in Roman numerals is 2461 in decimal.
	> MDCCV in Roman numerals is 1705 in decimal.

You can repeat this test using these commands:

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal

./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test174

Test 175 (80 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> CXXXIV in Roman numerals is 134 in decimal.
	> MMDCCLVIII in Roman numerals is 2758 in decimal.
	> MMCCCL in Roman numerals is 2350 in decimal.
	> MMCMLXX in Roman numerals is 2970 in decimal.
	> MMCCXLI in Roman numerals is 3143 in decimal.
	> MMCXXII in Roman numerals is 2132 in decimal.
	> MMCLVIII in Roman numerals is 2158 in decimal.
	> MMCCCXVII in Roman numerals is 2317 in decimal.
	> MMMCLXXXIX in Roman numerals is 3189 in decimal.
	> MMMDLIV in Roman numerals is 3554 in decimal.
	> DCCXVI in Roman numerals is 716 in decimal.
	> MMMCCXX in Roman numerals is 3220 in decimal.
	> MMMCXLVIII in Roman numerals is 3148 in decimal.
	> MMMDCCCLXXVIII in Roman numerals is 3778 in decimal.
	> MMMDCLXII in Roman numerals is 3662 in decimal.
	> CMXXXV in Roman numerals is 935 in decimal.
	> MCXXXIII in Roman numerals is 1133 in decimal.
	> MMMCMLXXV in Roman numerals is 3975 in decimal.
	> MMMDXIII in Roman numerals is 3513 in decimal.
	> MMMDCCCLIII in Roman numerals is 3753 in decimal.
	> MCM in Roman numerals is 1900 in decimal.
	> MMCDLXIII in Roman numerals is 3463 in decimal.
	> XLV in Roman numerals is 45 in decimal.
	> MMV in Roman numerals is 3008 in decimal.
	> MMMLXXXVI in Roman numerals is 3086 in decimal.
	> MMMCMLXXXIII in Roman numerals is 3983 in decimal.
	> MDCCXXXIII in Roman numerals is 1733 in decimal.
	> MMMDCCCXLI in Roman numerals is 3841 in decimal.
	> MMDC in Roman numerals is 2600 in decimal.
	> DCLXXVIII in Roman numerals is 688 in decimal.

You can repeat this test using these commands:

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal

./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test175

Test 176 (90 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> CCCXXI in Roman numerals is 331 in decimal.
	> MMCCCL in Roman numerals is 2250 in decimal.
	> MMCCXCVIII in Roman numerals is 3198 in decimal.
	> MMCCII in Roman numerals is 3102 in decimal.

```

> MMDCXXVII in Roman numerals is 2627 in decimal.
> MDXLIII in Roman numerals is 1543 in decimal.
> MDCCXLVIII in Roman numerals is 1768 in decimal.
> MMMDCCCLXXX in Roman numerals is 3780 in decimal.
> MMDCCXVIII in Roman numerals is 2718 in decimal.
> MMDCCCXLII in Roman numerals is 2842 in decimal.
> MMMCCCLXVI in Roman numerals is 3346 in decimal.
> MMMXCI in Roman numerals is 3091 in decimal.
> MMDCCCXLV in Roman numerals is 2845 in decimal.
> MMDXXIII in Roman numerals is 2523 in decimal.
> MMMDCCCI in Roman numerals is 3801 in decimal.
> MMDCXXXI in Roman numerals is 2631 in decimal.
> DCCLXXXIV in Roman numerals is 784 in decimal.
> MMMDCCCXL in Roman numerals is 3840 in decimal.
> MMMCCCLXXXV in Roman numerals is 3385 in decimal.
> MMCCXII in Roman numerals is 2212 in decimal.
> DCXLIV in Roman numerals is 644 in decimal.
> MMCCCLXXXI in Roman numerals is 2381 in decimal.
> MMMXLVI in Roman numerals is 3046 in decimal.
> CMLXXXIV in Roman numerals is 984 in decimal.
> MCCCCLXX in Roman numerals is 1370 in decimal.
> MLXXX in Roman numerals is 1080 in decimal.
> MDCCXXX in Roman numerals is 1730 in decimal.
> MMMCI in Roman numerals is 3101 in decimal.
> MDCLXIII in Roman numerals is 1663 in decimal.
> MDXXV in Roman numerals is 1525 in decimal.
> DLXXXI in Roman numerals is 581 in decimal.
> XXXI in Roman numerals is 31 in decimal.
> MMMCMLXIII in Roman numerals is 3963 in decimal.
> MMMXCII in Roman numerals is 3092 in decimal.
> CCXCVIII in Roman numerals is 298 in decimal.
> MCLXXII in Roman numerals is 1172 in decimal.
> MMMDCCCXCI in Roman numerals is 3891 in decimal.
> MCMIII in Roman numerals is 1903 in decimal.
> MCCCXCII in Roman numerals is 1392 in decimal.
> MCMIV in Roman numerals is 1904 in decimal.

```

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test176

```

Test 177 (100 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```

> DCCLXXXV in Roman numerals is 785 in decimal.
> MMDCCXXXVI in Roman numerals is 2736 in decimal.
> MDCLXXVI in Roman numerals is 1676 in decimal.
> MDXXXVIII in Roman numerals is 1538 in decimal.
> MMDCLXVII in Roman numerals is 2647 in decimal.
> MMDCCXXXIV in Roman numerals is 2734 in decimal.
> MMMXLI in Roman numerals is 3041 in decimal.
> MMCMXCI in Roman numerals is 2991 in decimal.
> MMMLXVII in Roman numerals is 3067 in decimal.
> CCCLXVII in Roman numerals is 367 in decimal.
> MCDXLIX in Roman numerals is 1449 in decimal.
> MDCCCLXXXVII in Roman numerals is 1887 in decimal.
> MMMCDXXVI in Roman numerals is 3426 in decimal.
> MMDCVII in Roman numerals is 2607 in decimal.
> CCCLXXXVIII in Roman numerals is 388 in decimal.
> MLVII in Roman numerals is 1057 in decimal.
> MMCCCLXX in Roman numerals is 2370 in decimal.
> MCC in Roman numerals is 1200 in decimal.
> MMMDCCXCV in Roman numerals is 3795 in decimal.
> MMMDCLXVI in Roman numerals is 3666 in decimal.
> MCMLXXIV in Roman numerals is 1974 in decimal.
> DCXIV in Roman numerals is 614 in decimal.
> MCDXXX in Roman numerals is 1430 in decimal.
> MMDCLXXVI in Roman numerals is 2676 in decimal.
> MMCCCLXVII in Roman numerals is 3267 in decimal.
> MMDXVIII in Roman numerals is 2518 in decimal.
> MCCLXXXII in Roman numerals is 1282 in decimal.
> MMMCMXI in Roman numerals is 3911 in decimal.
> MMCCLIII in Roman numerals is 2253 in decimal.
> MCDLXXIV in Roman numerals is 1474 in decimal.
> MDXIV in Roman numerals is 1514 in decimal.
> MDXXXI in Roman numerals is 1531 in decimal.
> CCLXXXIV in Roman numerals is 284 in decimal.
> MMMDCCCXXIV in Roman numerals is 3824 in decimal.
> MLXIV in Roman numerals is 1064 in decimal.
> DCCCXCIV in Roman numerals is 894 in decimal.
> MMMLVIII in Roman numerals is 3058 in decimal.

```

```

> MMMDLXXVI in Roman numerals is 3576 in decimal.
> DCCLXXV in Roman numerals is 775 in decimal.
> MMMDCCCLIX in Roman numerals is 3859 in decimal.
> MMDCCXVII in Roman numerals is 2617 in decimal.
> MLXXXIV in Roman numerals is 1084 in decimal.
> MMMDCCXXXIV in Roman numerals is 3734 in decimal.
> MCMXII in Roman numerals is 1912 in decimal.
> MMLX in Roman numerals is 2060 in decimal.
> CMXXXIII in Roman numerals is 933 in decimal.
> DCCXCII in Roman numerals is 792 in decimal.
> MMMCCVIII in Roman numerals is 3208 in decimal.
> MMDXXVI in Roman numerals is 2526 in decimal.
> MMMDLXII in Roman numerals is 3562 in decimal.

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test177
```

Test 178 (110 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
<	> CCXIII in Roman numerals is 213 in decimal.
<	> LXVIII in Roman numerals is 68 in decimal.
<	> MMMDC in Roman numerals is 3600 in decimal.
<	> MMMDCCXCIV in Roman numerals is 3794 in decimal.
<	> MMMXIII in Roman numerals is 3013 in decimal.
<	> CXVI in Roman numerals is 116 in decimal.
<	> MDCCLVII in Roman numerals is 1757 in decimal.
<	> MMCXIII in Roman numerals is 2113 in decimal.
<	> MDCLX in Roman numerals is 1660 in decimal.
<	> DCCXXV in Roman numerals is 725 in decimal.
<	> MDCCCXV in Roman numerals is 1815 in decimal.
<	> MMLVI in Roman numerals is 3056 in decimal.
<	> MXVI in Roman numerals is 1016 in decimal.
<	> MMDCCCXIII in Roman numerals is 2813 in decimal.
<	> MDCXXXIV in Roman numerals is 1634 in decimal.
<	> MMLXV in Roman numerals is 2065 in decimal.
<	> MMMXXVIII in Roman numerals is 3028 in decimal.
<	> MMMDCCCLXXIV in Roman numerals is 3874 in decimal.
<	> MMCDLIV in Roman numerals is 2454 in decimal.
<	> MMCCCXI in Roman numerals is 2311 in decimal.
<	> MMMCCCLXV in Roman numerals is 3365 in decimal.
<	> MCCXCVII in Roman numerals is 1297 in decimal.
<	> DCCCXXVIII in Roman numerals is 828 in decimal.
<	> MMCMLVI in Roman numerals is 2946 in decimal.
<	> DCLXXI in Roman numerals is 671 in decimal.
<	> CCLXIII in Roman numerals is 263 in decimal.
<	> MMCI in Roman numerals is 2103 in decimal.
<	> MMCLXXIX in Roman numerals is 2179 in decimal.
<	> MCCXXX in Roman numerals is 1230 in decimal.
<	> MMMDLXXI in Roman numerals is 3571 in decimal.
<	> MCCXCV in Roman numerals is 1295 in decimal.
<	> MDCXCV in Roman numerals is 1695 in decimal.
<	> MMMDCCCLXV in Roman numerals is 3865 in decimal.
<	> MCMXXVI in Roman numerals is 1926 in decimal.
<	> MMMDLIX in Roman numerals is 3559 in decimal.
<	> CCLXXXIII in Roman numerals is 283 in decimal.
<	> MMDCCCXII in Roman numerals is 2812 in decimal.
<	> MMMDCLIII in Roman numerals is 3653 in decimal.
<	> MDCCCLXII in Roman numerals is 1762 in decimal.
<	> MMCDXV in Roman numerals is 3415 in decimal.
<	> MDCVI in Roman numerals is 1606 in decimal.
<	> MCCLXXV in Roman numerals is 1275 in decimal.
<	> DXCVI in Roman numerals is 596 in decimal.
<	> MMDCCCII in Roman numerals is 2802 in decimal.
<	> MDCCCLXVII in Roman numerals is 1867 in decimal.
<	> DXLIX in Roman numerals is 549 in decimal.
<	> MMDCCXIX in Roman numerals is 2719 in decimal.
<	> CCLV in Roman numerals is 255 in decimal.
<	> MCLXXI in Roman numerals is 1181 in decimal.
<	> MCCLIX in Roman numerals is 1259 in decimal.
<	> MMLV in Roman numerals is 2055 in decimal.
<	> MDCCCIII in Roman numerals is 1803 in decimal.
<	> CLXXXVI in Roman numerals is 186 in decimal.
<	> MCMLXXVI in Roman numerals is 1976 in decimal.
<	> MMMCMXXXIII in Roman numerals is 3933 in decimal.
<	> MDCXVII in Roman numerals is 1617 in decimal.
<	> MDIV in Roman numerals is 1504 in decimal.
<	> MMCXXXV in Roman numerals is 2135 in decimal.
<	> MDCXXVII in Roman numerals is 1627 in decimal.
<	> MCCLXIII in Roman numerals is 1263 in decimal.

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14sl/assignments/ass1/tests/test178
```

Test 179 (120 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> MCXL in Roman numerals is 1140 in decimal.
	> DCCCII in Roman numerals is 802 in decimal.
	> MMXLIII in Roman numerals is 2043 in decimal.
	> MCLXIV in Roman numerals is 1164 in decimal.
	> MMDCCCLXXVIII in Roman numerals is 2878 in decimal.
	> MMMDCCCXXX in Roman numerals is 3830 in decimal.
	> MMMIII in Roman numerals is 3003 in decimal.
	> MMMCXIII in Roman numerals is 3113 in decimal.
	> DLXV in Roman numerals is 565 in decimal.
	> DCC in Roman numerals is 700 in decimal.
	> MMMDCCCLXXI in Roman numerals is 3871 in decimal.
	> MMMCCCLII in Roman numerals is 3352 in decimal.
	> MMMDCCXLV in Roman numerals is 3745 in decimal.
	> MMMXXIX in Roman numerals is 3029 in decimal.
	> MCDLXXXVIII in Roman numerals is 1488 in decimal.
	> MMCMXVII in Roman numerals is 2917 in decimal.
	> MCCXXIV in Roman numerals is 1224 in decimal.
	> MMDCI in Roman numerals is 2601 in decimal.
	> MMCCCLXXIII in Roman numerals is 2373 in decimal.
	> MMDCCXV in Roman numerals is 2715 in decimal.
	> MMDCCCLXXXIII in Roman numerals is 2783 in decimal.
	> CXCI in Roman numerals is 193 in decimal.
	> MCMLXV in Roman numerals is 1965 in decimal.
	> DXCVII in Roman numerals is 597 in decimal.
	> DCCC in Roman numerals is 800 in decimal.
	> MCDXXXVII in Roman numerals is 1437 in decimal.
	> MMMCLIV in Roman numerals is 3154 in decimal.
	> MMMCCXII in Roman numerals is 3212 in decimal.
	> MMMCCCL in Roman numerals is 3350 in decimal.
	> CCXXXVII in Roman numerals is 237 in decimal.
	> MMDCXLI in Roman numerals is 2649 in decimal.
	> MMDXXXIII in Roman numerals is 2533 in decimal.
	> DCXXI in Roman numerals is 621 in decimal.
	> MMDCCXCIII in Roman numerals is 2793 in decimal.
	> MXLI in Roman numerals is 1041 in decimal.
	> MMCMLV in Roman numerals is 2955 in decimal.
	> MMMDCCCLIX in Roman numerals is 3759 in decimal.
	> MMDCCCLXVIII in Roman numerals is 2868 in decimal.
	> XCVII in Roman numerals is 97 in decimal.
	> MDCCXXVIII in Roman numerals is 1728 in decimal.
	> MDCXXXV in Roman numerals is 1635 in decimal.
	> MMMCMXLI in Roman numerals is 3941 in decimal.
	> CMXLII in Roman numerals is 942 in decimal.
	> MMDCCXCXV in Roman numerals is 2895 in decimal.
	> MXXXIV in Roman numerals is 1034 in decimal.
	> MDXCVII in Roman numerals is 1597 in decimal.
	> CDXXX in Roman numerals is 430 in decimal.
	> MMMXXXVI in Roman numerals is 3036 in decimal.
	> DXLVIII in Roman numerals is 548 in decimal.
	> MDCCCXLVIII in Roman numerals is 1848 in decimal.
	> MMDXXI in Roman numerals is 2521 in decimal.
	> DCCXII in Roman numerals is 712 in decimal.
	> DCCXCV in Roman numerals is 795 in decimal.
	> MMMCXXI in Roman numerals is 3121 in decimal.
	> MMMCDIX in Roman numerals is 3409 in decimal.
	> DCCXX in Roman numerals is 720 in decimal.
	> CDXLVI in Roman numerals is 446 in decimal.
	> MDCCCLXXV in Roman numerals is 1775 in decimal.
	> MMCCCLXVIII in Roman numerals is 2268 in decimal.
	> MCMXIV in Roman numerals is 1914 in decimal.
	> MDCXCVII in Roman numerals is 1697 in decimal.
	> MMCDLXXXVII in Roman numerals is 2487 in decimal.
	> MDCXXIV in Roman numerals is 1624 in decimal.
	> MMMXCIII in Roman numerals is 3093 in decimal.
	> CCCXX in Roman numerals is 320 in decimal.
	> MMCDLXXXI in Roman numerals is 2481 in decimal.
	> CCCLXVIII in Roman numerals is 368 in decimal.
	> XCII in Roman numerals is 92 in decimal.
	> DCCCXXX in Roman numerals is 830 in decimal.
	> MMMDCLXXV in Roman numerals is 3675 in decimal.

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test179

Test 180 (130 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> MMMCMLXXI in Roman numerals is 3971 in decimal.
	> DCCCLV in Roman numerals is 855 in decimal.
	> MMCCCXIV in Roman numerals is 2314 in decimal.
	> DCLXXXIII in Roman numerals is 683 in decimal.
	> MMMDCCLXXI in Roman numerals is 3771 in decimal.
	> CDXI in Roman numerals is 411 in decimal.
	> MMMCMXXXIX in Roman numerals is 3939 in decimal.
	> MMMCDLXIX in Roman numerals is 3469 in decimal.
	> CCCXLIII in Roman numerals is 343 in decimal.
	> MMLXXVII in Roman numerals is 3077 in decimal.
	> MMI in Roman numerals is 2001 in decimal.
	> DCCCLIX in Roman numerals is 859 in decimal.
	> MMMDCXV in Roman numerals is 3615 in decimal.
	> MCCCXXXII in Roman numerals is 1332 in decimal.
	> MMCDI in Roman numerals is 2401 in decimal.
	> DCXL in Roman numerals is 640 in decimal.
	> MMCXXXIX in Roman numerals is 2139 in decimal.
	> MMDV in Roman numerals is 2505 in decimal.
	> MDCCX in Roman numerals is 1720 in decimal.
	> MMMDCCXLIX in Roman numerals is 3749 in decimal.
	> MCDIV in Roman numerals is 1404 in decimal.
	> MMDCCCXXXIII in Roman numerals is 2833 in decimal.
	> MCMLXXVII in Roman numerals is 1977 in decimal.
	> MMMCDXII in Roman numerals is 3412 in decimal.
	> CMXC in Roman numerals is 990 in decimal.
	> MMMDCLXXXVIII in Roman numerals is 3688 in decimal.
	> CXLIV in Roman numerals is 144 in decimal.
	> MMXII in Roman numerals is 2012 in decimal.
	> MMMCCI in Roman numerals is 3201 in decimal.
	> MMDCCCXLIX in Roman numerals is 2849 in decimal.
	> MMCXCI in Roman numerals is 2191 in decimal.
	> CMLXXX in Roman numerals is 980 in decimal.
	> MMCCCLIV in Roman numerals is 2254 in decimal.
	> CMLXXVII in Roman numerals is 977 in decimal.
	> CDLXXI in Roman numerals is 471 in decimal.
	> MMCMLXXXIII in Roman numerals is 2983 in decimal.
	> MMCCCXXXV in Roman numerals is 2335 in decimal.
	> DCXXIX in Roman numerals is 629 in decimal.
	> MMMCMVIII in Roman numerals is 3908 in decimal.
	> MMCCCLXXXIII in Roman numerals is 2273 in decimal.
	> MCDXXXIV in Roman numerals is 1434 in decimal.
	> MDCCXXVI in Roman numerals is 1726 in decimal.
	> CMLXII in Roman numerals is 962 in decimal.
	> CDXLVIII in Roman numerals is 448 in decimal.
	> MMMDCXII in Roman numerals is 3612 in decimal.
	> DCCCXC in Roman numerals is 890 in decimal.
	> MMDCCXXX in Roman numerals is 2730 in decimal.
	> MMMCCLX in Roman numerals is 3260 in decimal.
	> MCCCCLXXXVI in Roman numerals is 1386 in decimal.
	> MMCDXXI in Roman numerals is 2421 in decimal.
	> MCMXCIV in Roman numerals is 1994 in decimal.
	> CCL in Roman numerals is 250 in decimal.
	> MMMCCCXXIX in Roman numerals is 3329 in decimal.
	> MMMDCLXXVII in Roman numerals is 3677 in decimal.
	> MMMDCCCXLIX in Roman numerals is 3849 in decimal.
	> MMCCCXLV in Roman numerals is 2345 in decimal.
	> MCCCCLXXII in Roman numerals is 1372 in decimal.
	> MDCCXLVI in Roman numerals is 1766 in decimal.
	> MMMDCCXII in Roman numerals is 3712 in decimal.
	> DLXXVII in Roman numerals is 577 in decimal.
	> CCVI in Roman numerals is 206 in decimal.
	> MMCDLXVIII in Roman numerals is 2468 in decimal.
	> MCCCXCVIII in Roman numerals is 1398 in decimal.
	> DCCCLVI in Roman numerals is 856 in decimal.
	> MDCCCXVIII in Roman numerals is 1828 in decimal.
	> MMMCDXI in Roman numerals is 3411 in decimal.
	> MDLVI in Roman numerals is 1556 in decimal.
	> MDCCCXVI in Roman numerals is 1816 in decimal.
	> DCLXI in Roman numerals is 661 in decimal.
	> DCCCCLXIX in Roman numerals is 869 in decimal.
	> DCXXVII in Roman numerals is 627 in decimal.
	> MMDCCCXC in Roman numerals is 2890 in decimal.
	> MMDCLXXXIII in Roman numerals is 2673 in decimal.
	> MMDCXI in Roman numerals is 2621 in decimal.
	> MDX in Roman numerals is 1510 in decimal.
	> DCCCXXVI in Roman numerals is 826 in decimal.

```
> DCCCXCV in Roman numerals is 895 in decimal.
> MMMCDLXXXVIII in Roman numerals is 3488 in decimal.
> MMDCCCXLIV in Roman numerals is 2844 in decimal.
> MCMLXXXVI in Roman numerals is 1986 in decimal.
```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test180
```

Test 181 (140 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> MCCCCLXXX in Roman numerals is 1380 in decimal.	> MCCCCLXXX in Roman numerals is 1380 in decimal.
> MMDCCCLX in Roman numerals is 2860 in decimal.	> MMDCCCLX in Roman numerals is 2860 in decimal.
> CCCXC in Roman numerals is 390 in decimal.	> CCCXC in Roman numerals is 390 in decimal.
> MMCMLXII in Roman numerals is 2962 in decimal.	> MMCMLXII in Roman numerals is 2962 in decimal.
> MMMDCCVII in Roman numerals is 3707 in decimal.	> MMMDCCVII in Roman numerals is 3707 in decimal.
> MDCCXXII in Roman numerals is 1732 in decimal.	> MDCCXXII in Roman numerals is 1732 in decimal.
> MMMDCXCII in Roman numerals is 3692 in decimal.	> MMMDCXCII in Roman numerals is 3692 in decimal.
> MDCCXXV in Roman numerals is 1725 in decimal.	> MDCCXXV in Roman numerals is 1725 in decimal.
> MMDCCXXV in Roman numerals is 2625 in decimal.	> MMDCCXXV in Roman numerals is 2625 in decimal.
> MCCCII in Roman numerals is 1302 in decimal.	> MCCCII in Roman numerals is 1302 in decimal.
> MMXLV in Roman numerals is 2045 in decimal.	> MMXLV in Roman numerals is 2045 in decimal.
> MMMIX in Roman numerals is 3009 in decimal.	> MMMIX in Roman numerals is 3009 in decimal.
> MMMCDLXXXVI in Roman numerals is 3486 in decimal.	> MMMCDLXXXVI in Roman numerals is 3486 in decimal.
> DXXXVI in Roman numerals is 536 in decimal.	> DXXXVI in Roman numerals is 536 in decimal.
> MCDX in Roman numerals is 1410 in decimal.	> MCDX in Roman numerals is 1410 in decimal.
> MXVII in Roman numerals is 1017 in decimal.	> MXVII in Roman numerals is 1017 in decimal.
> MCDXXXII in Roman numerals is 1432 in decimal.	> MCDXXXII in Roman numerals is 1432 in decimal.
> MMMDCXXX in Roman numerals is 3630 in decimal.	> MMMDCXXX in Roman numerals is 3630 in decimal.
> MDCLIII in Roman numerals is 1653 in decimal.	> MDCLIII in Roman numerals is 1653 in decimal.
> MCCXIV in Roman numerals is 1214 in decimal.	> MCCXIV in Roman numerals is 1214 in decimal.
> DII in Roman numerals is 502 in decimal.	> DII in Roman numerals is 502 in decimal.
> DCX in Roman numerals is 610 in decimal.	> DCX in Roman numerals is 610 in decimal.
> MCXLVI in Roman numerals is 1146 in decimal.	> MCXLVI in Roman numerals is 1146 in decimal.
> MMMCCXXXII in Roman numerals is 3232 in decimal.	> MMMCCXXXII in Roman numerals is 3232 in decimal.
> DCLXXXVII in Roman numerals is 687 in decimal.	> DCLXXXVII in Roman numerals is 687 in decimal.
> DCCCXCI in Roman numerals is 891 in decimal.	> DCCCXCI in Roman numerals is 891 in decimal.
> CCXXIX in Roman numerals is 229 in decimal.	> CCXXIX in Roman numerals is 229 in decimal.
> CCI in Roman numerals is 201 in decimal.	> CCI in Roman numerals is 201 in decimal.
> MCCXLV in Roman numerals is 1245 in decimal.	> MCCXLV in Roman numerals is 1245 in decimal.
> MMCCCLXII in Roman numerals is 2342 in decimal.	> MMCCCLXII in Roman numerals is 2342 in decimal.
> MMMCDLXXIX in Roman numerals is 3479 in decimal.	> MMMCDLXXIX in Roman numerals is 3479 in decimal.
> MMCXC in Roman numerals is 2190 in decimal.	> MMCXC in Roman numerals is 2190 in decimal.
> CDLIV in Roman numerals is 454 in decimal.	> CDLIV in Roman numerals is 454 in decimal.
> MMDXIV in Roman numerals is 2514 in decimal.	> MMDXIV in Roman numerals is 2514 in decimal.
> LXI in Roman numerals is 61 in decimal.	> LXI in Roman numerals is 61 in decimal.
> MMMDCCCLXIV in Roman numerals is 3864 in decimal.	> MMMDCCCLXIV in Roman numerals is 3864 in decimal.
> MMMDCCLXIII in Roman numerals is 3763 in decimal.	> MMMDCCLXIII in Roman numerals is 3763 in decimal.
> MMMDXX in Roman numerals is 3520 in decimal.	> MMMDXX in Roman numerals is 3520 in decimal.
> MCDI in Roman numerals is 1401 in decimal.	> MCDI in Roman numerals is 1401 in decimal.
> MMMDCIII in Roman numerals is 3603 in decimal.	> MMMDCIII in Roman numerals is 3603 in decimal.
> MMMDCCXL in Roman numerals is 3740 in decimal.	> MMMDCCXL in Roman numerals is 3740 in decimal.
> DCV in Roman numerals is 605 in decimal.	> DCV in Roman numerals is 605 in decimal.
> MLXXII in Roman numerals is 1072 in decimal.	> MLXXII in Roman numerals is 1072 in decimal.
> DLXVII in Roman numerals is 567 in decimal.	> DLXVII in Roman numerals is 567 in decimal.
> MMCDL in Roman numerals is 2450 in decimal.	> MMCDL in Roman numerals is 2450 in decimal.
> CDLIII in Roman numerals is 453 in decimal.	> CDLIII in Roman numerals is 453 in decimal.
> MCMLXVIII in Roman numerals is 1968 in decimal.	> MCMLXVIII in Roman numerals is 1968 in decimal.
> DC in Roman numerals is 600 in decimal.	> DC in Roman numerals is 600 in decimal.
> DCLVII in Roman numerals is 657 in decimal.	> DCLVII in Roman numerals is 657 in decimal.
> MMMLV in Roman numerals is 3055 in decimal.	> MMMLV in Roman numerals is 3055 in decimal.
> MMDCCCLXXXI in Roman numerals is 2881 in decimal.	> MMDCCCLXXXI in Roman numerals is 2881 in decimal.
> MDCCXXXV in Roman numerals is 1735 in decimal.	> MDCCXXXV in Roman numerals is 1735 in decimal.
> DCCCXXIII in Roman numerals is 823 in decimal.	> DCCCXXIII in Roman numerals is 823 in decimal.
> MMMDCCCLX in Roman numerals is 3760 in decimal.	> MMMDCCCLX in Roman numerals is 3760 in decimal.
> MMDCCCV in Roman numerals is 2805 in decimal.	> MMDCCCV in Roman numerals is 2805 in decimal.
> MMCDXVI in Roman numerals is 2416 in decimal.	> MMCDXVI in Roman numerals is 2416 in decimal.
> DCCCVII in Roman numerals is 807 in decimal.	> DCCCVII in Roman numerals is 807 in decimal.
> MDIII in Roman numerals is 1503 in decimal.	> MDIII in Roman numerals is 1503 in decimal.
> MMCCCLXII in Roman numerals is 2362 in decimal.	> MMCCCLXII in Roman numerals is 2362 in decimal.
> MMMDCCLXXVII in Roman numerals is 3777 in decimal.	> MMMDCCLXXVII in Roman numerals is 3777 in decimal.
> DCCCIII in Roman numerals is 803 in decimal.	> DCCCIII in Roman numerals is 803 in decimal.
> MMMDIX in Roman numerals is 3509 in decimal.	> MMMDIX in Roman numerals is 3509 in decimal.
> MDCCCLX in Roman numerals is 1760 in decimal.	> MDCCCLX in Roman numerals is 1760 in decimal.
> MCCCIV in Roman numerals is 1304 in decimal.	> MCCCIV in Roman numerals is 1304 in decimal.
> MMCMXL in Roman numerals is 2940 in decimal.	> MMCMXL in Roman numerals is 2940 in decimal.
> MCDLXXXI in Roman numerals is 1481 in decimal.	> MCDLXXXI in Roman numerals is 1481 in decimal.
> MCMXVII in Roman numerals is 1917 in decimal.	> MCMXVII in Roman numerals is 1917 in decimal.
> CMLVIII in Roman numerals is 958 in decimal.	> CMLVIII in Roman numerals is 958 in decimal.
> MMMCXL in Roman numerals is 3140 in decimal.	> MMMCXL in Roman numerals is 3140 in decimal.


```

> MMCII in Roman numerals is 2102 in decimal.
> MMCDVII in Roman numerals is 2407 in decimal.
> MMMCDLXXIV in Roman numerals is 3474 in decimal.
> MMCMXXIII in Roman numerals is 2923 in decimal.
> MDCXXXII in Roman numerals is 1632 in decimal.
> MMDCCCXXIII in Roman numerals is 2823 in decimal.
> MMMLXVI in Roman numerals is 3066 in decimal.
> MDCLXIV in Roman numerals is 1664 in decimal.
> MMXXXIV in Roman numerals is 2034 in decimal.
> MMMDXXVI in Roman numerals is 3526 in decimal.
> CXXXVII in Roman numerals is 137 in decimal.
> MCLXXXIII in Roman numerals is 1183 in decimal.
> MMCCCVII in Roman numerals is 3207 in decimal.
> MMCCCXXXVII in Roman numerals is 2337 in decimal.
> MMMDCLXXXII in Roman numerals is 3682 in decimal.
> MMCDLXXV in Roman numerals is 2475 in decimal.
> LXXXVI in Roman numerals is 86 in decimal.
> MCMXLVI in Roman numerals is 1946 in decimal.
> MCCLIII in Roman numerals is 1253 in decimal.
> MCCCVII in Roman numerals is 1307 in decimal.
> MMCCXLVIII in Roman numerals is 2248 in decimal.

```

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test181
```

Test 182 (150 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> CLXXXIII in Roman numerals is 183 in decimal.	> CLXXXIII in Roman numerals is 183 in decimal.
> DLXXI in Roman numerals is 571 in decimal.	> DLXXI in Roman numerals is 571 in decimal.
> MMCCXXV in Roman numerals is 3225 in decimal.	> MMCCXXV in Roman numerals is 3225 in decimal.
> MDCCCXXXIX in Roman numerals is 1839 in decimal.	> MDCCCXXXIX in Roman numerals is 1839 in decimal.
> CMLXVIII in Roman numerals is 968 in decimal.	> CMLXVIII in Roman numerals is 968 in decimal.
> DXVII in Roman numerals is 517 in decimal.	> DXVII in Roman numerals is 517 in decimal.
> CDLXXXV in Roman numerals is 485 in decimal.	> CDLXXXV in Roman numerals is 485 in decimal.
> MMCDV in Roman numerals is 2405 in decimal.	> MMCDV in Roman numerals is 2405 in decimal.
> DCCLXXVIII in Roman numerals is 778 in decimal.	> DCCLXXVIII in Roman numerals is 778 in decimal.
> MMCCCXXXIII in Roman numerals is 2333 in decimal.	> MMCCCXXXIII in Roman numerals is 2333 in decimal.
> MMMDXCIX in Roman numerals is 3599 in decimal.	> MMMDXCIX in Roman numerals is 3599 in decimal.
> MMMDLVI in Roman numerals is 3556 in decimal.	> MMMDLVI in Roman numerals is 3556 in decimal.
> MMMDCCLXV in Roman numerals is 3765 in decimal.	> MMMDCCLXV in Roman numerals is 3765 in decimal.
> DCLXIII in Roman numerals is 663 in decimal.	> DCLXIII in Roman numerals is 663 in decimal.
> XXXV in Roman numerals is 35 in decimal.	> XXXV in Roman numerals is 35 in decimal.
> MMCCCLXXXVI in Roman numerals is 2286 in decimal.	> MMCCCLXXXVI in Roman numerals is 2286 in decimal.
> MMCMXXXVI in Roman numerals is 2936 in decimal.	> MMCMXXXVI in Roman numerals is 2936 in decimal.
> MMCCCXXV in Roman numerals is 2325 in decimal.	> MMCCCXXV in Roman numerals is 2325 in decimal.
> MMDLXXIV in Roman numerals is 2574 in decimal.	> MMDLXXIV in Roman numerals is 2574 in decimal.
> MMXXVII in Roman numerals is 3027 in decimal.	> MMXXVII in Roman numerals is 3027 in decimal.
> MMCCXXXIII in Roman numerals is 3233 in decimal.	> MMCCXXXIII in Roman numerals is 3233 in decimal.
> MMXXVI in Roman numerals is 2026 in decimal.	> MMXXVI in Roman numerals is 2026 in decimal.
> MMCCCLXXXIII in Roman numerals is 2283 in decimal.	> MMCCCLXXXIII in Roman numerals is 2283 in decimal.
> MDCLXXXIX in Roman numerals is 1689 in decimal.	> MDCLXXXIX in Roman numerals is 1689 in decimal.
> MMDXXV in Roman numerals is 2525 in decimal.	> MMDXXV in Roman numerals is 2525 in decimal.
> MCCVIII in Roman numerals is 1208 in decimal.	> MCCVIII in Roman numerals is 1208 in decimal.
> MMCLXXV in Roman numerals is 2175 in decimal.	> MMCLXXV in Roman numerals is 2175 in decimal.
> MMDCCCXVIII in Roman numerals is 2638 in decimal.	> MMDCCCXVIII in Roman numerals is 2638 in decimal.
> CDXII in Roman numerals is 412 in decimal.	> CDXII in Roman numerals is 412 in decimal.
> MCCCXCIX in Roman numerals is 1399 in decimal.	> MCCCXCIX in Roman numerals is 1399 in decimal.
> MMMCXXVII in Roman numerals is 3127 in decimal.	> MMMCXXVII in Roman numerals is 3127 in decimal.
> MMCCIV in Roman numerals is 2204 in decimal.	> MMCCIV in Roman numerals is 2204 in decimal.
> MMMCMXXXVIII in Roman numerals is 3928 in decimal.	> MMMCMXXXVIII in Roman numerals is 3928 in decimal.
> MMDXVI in Roman numerals is 2516 in decimal.	> MMDXVI in Roman numerals is 2516 in decimal.
> DCCXCI in Roman numerals is 791 in decimal.	> DCCXCI in Roman numerals is 791 in decimal.
> DCCXXXII in Roman numerals is 732 in decimal.	> DCCXXXII in Roman numerals is 732 in decimal.
> MMMCCCXLVIII in Roman numerals is 3348 in decimal.	> MMMCCCXLVIII in Roman numerals is 3348 in decimal.
> MMCDLX in Roman numerals is 2460 in decimal.	> MMCDLX in Roman numerals is 2460 in decimal.
> MMMDCLXXII in Roman numerals is 3672 in decimal.	> MMMDCLXXII in Roman numerals is 3672 in decimal.
> MCLIV in Roman numerals is 1154 in decimal.	> MCLIV in Roman numerals is 1154 in decimal.
> MMMLIX in Roman numerals is 3059 in decimal.	> MMMLIX in Roman numerals is 3059 in decimal.
> MMMCDLXVII in Roman numerals is 3467 in decimal.	> MMMCDLXVII in Roman numerals is 3467 in decimal.
> DCLIX in Roman numerals is 659 in decimal.	> DCLIX in Roman numerals is 659 in decimal.
> MMDCC LXI in Roman numerals is 2761 in decimal.	> MMDCC LXI in Roman numerals is 2761 in decimal.
> MMMCXXXIV in Roman numerals is 3134 in decimal.	> MMMCXXXIV in Roman numerals is 3134 in decimal.
> CCCLXXXV in Roman numerals is 385 in decimal.	> CCCLXXXV in Roman numerals is 385 in decimal.
> MMLIV in Roman numerals is 2054 in decimal.	> MMLIV in Roman numerals is 2054 in decimal.
> MMMCLXIX in Roman numerals is 3169 in decimal.	> MMMCLXIX in Roman numerals is 3169 in decimal.
> MCCXLVI in Roman numerals is 1246 in decimal.	> MCCXLVI in Roman numerals is 1246 in decimal.
> CXXI in Roman numerals is 121 in decimal.	> CXXI in Roman numerals is 121 in decimal.
> MMCLXIV in Roman numerals is 2164 in decimal.	> MMCLXIV in Roman numerals is 2164 in decimal.
> MCXCVIII in Roman numerals is 1198 in decimal.	> MCXCVIII in Roman numerals is 1198 in decimal.

```

> MMMCCLV in Roman numerals is 3255 in decimal.
> MDCCCXLI in Roman numerals is 1841 in decimal.
> CXXX in Roman numerals is 130 in decimal.
> MMDCCCXLI in Roman numerals is 2843 in decimal.
> DCLX in Roman numerals is 660 in decimal.
> MMMDCCLVIII in Roman numerals is 3758 in decimal.
> MMCCCLXXIV in Roman numerals is 2374 in decimal.
> MMMXLIV in Roman numerals is 3144 in decimal.
> MMCCCLXXVII in Roman numerals is 2277 in decimal.
> MMCCXCXVII in Roman numerals is 3297 in decimal.
> CMLXXIV in Roman numerals is 974 in decimal.
> MDCCCXL in Roman numerals is 1840 in decimal.
> MDCCCII in Roman numerals is 1802 in decimal.
> MCCLXXVI in Roman numerals is 1276 in decimal.
> MDCLXXXVIII in Roman numerals is 1688 in decimal.
> MMCCXXXVI in Roman numerals is 2336 in decimal.
> DLXIX in Roman numerals is 569 in decimal.
> MMCCCLXXVIII in Roman numerals is 2378 in decimal.
> MMMCXLI in Roman numerals is 3142 in decimal.
> MMMDXLIV in Roman numerals is 3544 in decimal.
> CCCXIII in Roman numerals is 323 in decimal.
> DCCXXIV in Roman numerals is 724 in decimal.
> CCXXXVI in Roman numerals is 236 in decimal.
> MCXVI in Roman numerals is 1116 in decimal.
> MCMVII in Roman numerals is 1907 in decimal.
> DCCCXLVIII in Roman numerals is 848 in decimal.
> MMDCXLVI in Roman numerals is 3646 in decimal.
> DXX in Roman numerals is 520 in decimal.
> CDLXXXVII in Roman numerals is 487 in decimal.
> CMXXIV in Roman numerals is 924 in decimal.
> MMMXX in Roman numerals is 3020 in decimal.
> MMMCXCVI in Roman numerals is 3196 in decimal.
> MCCCXLI in Roman numerals is 1343 in decimal.
> MMCMV in Roman numerals is 2905 in decimal.
> MMMDXXXII in Roman numerals is 3532 in decimal.
> MCMXLI in Roman numerals is 1941 in decimal.
> DCXCVI in Roman numerals is 696 in decimal.
> CLXXV in Roman numerals is 175 in decimal.
> MDCCCXVIII in Roman numerals is 1818 in decimal.
> MMMCLXVII in Roman numerals is 3167 in decimal.
> MMMXCIV in Roman numerals is 3094 in decimal.
> CMXLIV in Roman numerals is 944 in decimal.
> MMMI in Roman numerals is 3001 in decimal.
> MMMDCLXXXI in Roman numerals is 3681 in decimal.
> MMMC in Roman numerals is 3100 in decimal.
> DCCLIV in Roman numerals is 754 in decimal.
> MMCLII in Roman numerals is 2151 in decimal.
> MDCCXCI in Roman numerals is 1791 in decimal.

```

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test182

```

Test 183 (160 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> MMDCCXCII in Roman numerals is 2792 in decimal.	> MMDCCXCII in Roman numerals is 2792 in decimal.
> CC in Roman numerals is 200 in decimal.	> CC in Roman numerals is 200 in decimal.
> LXXXI in Roman numerals is 81 in decimal.	> LXXXI in Roman numerals is 81 in decimal.
> CCXCII in Roman numerals is 292 in decimal.	> CCXCII in Roman numerals is 292 in decimal.
> MMDCCXVIII in Roman numerals is 2698 in decimal.	> MMDCCXVIII in Roman numerals is 2698 in decimal.
> MMCCXCXCV in Roman numerals is 3295 in decimal.	> MMCCXCXCV in Roman numerals is 3295 in decimal.
> MMMCMI in Roman numerals is 3901 in decimal.	> MMMCMI in Roman numerals is 3901 in decimal.
> MMCCXCXCVII in Roman numerals is 3397 in decimal.	> MMCCXCXCVII in Roman numerals is 3397 in decimal.
> DCLXXXVI in Roman numerals is 686 in decimal.	> DCLXXXVI in Roman numerals is 686 in decimal.
> MCLXXIV in Roman numerals is 1174 in decimal.	> MCLXXIV in Roman numerals is 1174 in decimal.
> MCMLXVII in Roman numerals is 1967 in decimal.	> MCMLXVII in Roman numerals is 1967 in decimal.
> CMXXI in Roman numerals is 921 in decimal.	> CMXXI in Roman numerals is 921 in decimal.
> MCXI in Roman numerals is 1111 in decimal.	> MCXI in Roman numerals is 1111 in decimal.
> MMCCCLXXII in Roman numerals is 2272 in decimal.	> MMCCCLXXII in Roman numerals is 2272 in decimal.
> MMCDXXX in Roman numerals is 2430 in decimal.	> MMCDXXX in Roman numerals is 2430 in decimal.
> MMDXC in Roman numerals is 2590 in decimal.	> MMDXC in Roman numerals is 2590 in decimal.
> MMDCCCLXXXVI in Roman numerals is 2886 in decimal.	> MMDCCCLXXXVI in Roman numerals is 2886 in decimal.
> MMCCVIII in Roman numerals is 2208 in decimal.	> MMCCVIII in Roman numerals is 2208 in decimal.
> MMMDCCXLI in Roman numerals is 3743 in decimal.	> MMMDCCXLI in Roman numerals is 3743 in decimal.
> CDXV in Roman numerals is 415 in decimal.	> CDXV in Roman numerals is 415 in decimal.
> MDCXXXI in Roman numerals is 1631 in decimal.	> MDCXXXI in Roman numerals is 1631 in decimal.
> MMCCXCII in Roman numerals is 3302 in decimal.	> MMCCXCII in Roman numerals is 3302 in decimal.
> CXCVIII in Roman numerals is 198 in decimal.	> CXCVIII in Roman numerals is 198 in decimal.
> CCLXXVIII in Roman numerals is 278 in decimal.	> CCLXXVIII in Roman numerals is 278 in decimal.
> MMCCXXXVIII in Roman numerals is 2338 in decimal.	> MMCCXXXVIII in Roman numerals is 2338 in decimal.

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> MMCCCLXXIV in Roman numerals is 2274 in decimal.
> MMMCMLXVI in Roman numerals is 3966 in decimal.
> MCCXLVIII in Roman numerals is 1248 in decimal.
> MDCCCXCVII in Roman numerals is 1897 in decimal.
> CCCVII in Roman numerals is 307 in decimal.
> MMDXXXIX in Roman numerals is 2539 in decimal.
> MMMCCXCIV in Roman numerals is 3294 in decimal.
> MCX in Roman numerals is 1110 in decimal.
> MMCCIII in Roman numerals is 2203 in decimal.
> MMCLXII in Roman numerals is 2162 in decimal.
> MMCCXXVI in Roman numerals is 2226 in decimal.
> CCCLXII in Roman numerals is 362 in decimal.
> MCDLXXVIII in Roman numerals is 1478 in decimal.
> XCI in Roman numerals is 91 in decimal.
> MLXIX in Roman numerals is 1069 in decimal.
> MMMDCCXLVIII in Roman numerals is 3748 in decimal.
> MMMCMLXXIX in Roman numerals is 3979 in decimal.
> MXXII in Roman numerals is 1022 in decimal.
> MMDCCXVII in Roman numerals is 2717 in decimal.
> MMDCCCLXXIV in Roman numerals is 2774 in decimal.
> MMCLVII in Roman numerals is 2157 in decimal.
> MMDCCCXLVIII in Roman numerals is 2848 in decimal.
> MDCCIX in Roman numerals is 1709 in decimal.
> MCMXLIX in Roman numerals is 1949 in decimal.
> CD in Roman numerals is 400 in decimal.
> MMCMI in Roman numerals is 2903 in decimal.
> MMCDXLIII in Roman numerals is 2443 in decimal.
> MMCXCIII in Roman numerals is 2193 in decimal.
> MDLXIV in Roman numerals is 1564 in decimal.
> MDCXXV in Roman numerals is 1625 in decimal.
> MMMCCXXXV in Roman numerals is 3235 in decimal.
> CCLXXXV in Roman numerals is 285 in decimal.
> CLX in Roman numerals is 160 in decimal.
> MMMCCLXXVI in Roman numerals is 3276 in decimal.
> MMLXXXVI in Roman numerals is 2086 in decimal.
> XXXIX in Roman numerals is 39 in decimal.
> MCDXXVII in Roman numerals is 1427 in decimal.
> MMMDCCCLXII in Roman numerals is 3762 in decimal.
> MMMXXXVII in Roman numerals is 3037 in decimal.
> CLXXVI in Roman numerals is 176 in decimal.
> CCCXCIX in Roman numerals is 399 in decimal.
> MMMCDLXII in Roman numerals is 3462 in decimal.
> MMMDXLVIII in Roman numerals is 3548 in decimal.
> MMMCCLXXXIV in Roman numerals is 3284 in decimal.
> MDCCCLIII in Roman numerals is 1853 in decimal.
> MMCLXVI in Roman numerals is 2166 in decimal.
> MCCLXIII in Roman numerals is 1273 in decimal.
> MMMCCCXXVIII in Roman numerals is 3328 in decimal.
> MC in Roman numerals is 1100 in decimal.
> MDCCCXXXV in Roman numerals is 1835 in decimal.
> CDXXXII in Roman numerals is 432 in decimal.
> DCCCXLI in Roman numerals is 841 in decimal.
> CMLIX in Roman numerals is 959 in decimal.
> DXLIV in Roman numerals is 544 in decimal.
> CDLV in Roman numerals is 455 in decimal.
> MMMDCIX in Roman numerals is 3609 in decimal.
> MMDCCCXLI in Roman numerals is 2841 in decimal.
> MCCCX in Roman numerals is 1310 in decimal.
> MMMCDL in Roman numerals is 3450 in decimal.
> MCDXCIX in Roman numerals is 1499 in decimal.
> MCDLXXXV in Roman numerals is 1485 in decimal.
> MDCXIX in Roman numerals is 1619 in decimal.
> MDCCCLXXIV in Roman numerals is 1774 in decimal.
> MMMCXIX in Roman numerals is 3119 in decimal.
> CDLI in Roman numerals is 451 in decimal.
> MDCLXIX in Roman numerals is 1669 in decimal.
> MMCCXL in Roman numerals is 2240 in decimal.
> MMDCCXIV in Roman numerals is 2714 in decimal.
> MLXXXV in Roman numerals is 1085 in decimal.
> DCCLXV in Roman numerals is 765 in decimal.
> MMMCDXLI in Roman numerals is 3441 in decimal.
> CCCXV in Roman numerals is 315 in decimal.
> MMMCDLIX in Roman numerals is 3459 in decimal.
> MCCCXLI in Roman numerals is 1361 in decimal.
> MCCCXLI in Roman numerals is 1341 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14sl/assignments/ass1/tests/test183

```

Test 184 (170 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output

Correct Output

```
> MMCDXLV in Roman numerals is 2445 in decimal.
> MMDCXXII in Roman numerals is 2622 in decimal.
> CCCLXIV in Roman numerals is 364 in decimal.
> MCCXVII in Roman numerals is 1217 in decimal.
> MCVII in Roman numerals is 1107 in decimal.
> MCDLX in Roman numerals is 1460 in decimal.
> MMXIX in Roman numerals is 2019 in decimal.
> MMDCCXLIV in Roman numerals is 2744 in decimal.
> MCLXXV in Roman numerals is 1175 in decimal.
> MMDCXXIV in Roman numerals is 2624 in decimal.
> CCLXVIII in Roman numerals is 268 in decimal.
> MMMDCXI in Roman numerals is 3611 in decimal.
> MMLVII in Roman numerals is 2057 in decimal.
> CMLXVI in Roman numerals is 966 in decimal.
> MMMCCCXXXVI in Roman numerals is 3336 in decimal.
> MCCCXLIII in Roman numerals is 1342 in decimal.
> MMMCCLI in Roman numerals is 3251 in decimal.
> LXXV in Roman numerals is 75 in decimal.
> MMCCVII in Roman numerals is 2207 in decimal.
> DLXX in Roman numerals is 570 in decimal.
> MCDXXII in Roman numerals is 1422 in decimal.
> MMMCMXLV in Roman numerals is 3945 in decimal.
> MDXXXVI in Roman numerals is 1536 in decimal.
> MCMXCIII in Roman numerals is 1993 in decimal.
> MCCLXXVII in Roman numerals is 1277 in decimal.
> DCCCXXIV in Roman numerals is 824 in decimal.
> MMMDCCCLXVII in Roman numerals is 3867 in decimal.
> CCCIV in Roman numerals is 304 in decimal.
> MCCCCLXXXV in Roman numerals is 1385 in decimal.
> MMDCCI in Roman numerals is 2701 in decimal.
> MCDXVII in Roman numerals is 1417 in decimal.
> MDLXI in Roman numerals is 1561 in decimal.
> MCDXCVIII in Roman numerals is 1498 in decimal.
> CCCXLVIII in Roman numerals is 348 in decimal.
> MMMCCCLXVII in Roman numerals is 3367 in decimal.
> MMCCCLV in Roman numerals is 2355 in decimal.
> XIV in Roman numerals is 14 in decimal.
> MDCXLVI in Roman numerals is 1646 in decimal.
> MCCXLIII in Roman numerals is 1243 in decimal.
> MDLVIII in Roman numerals is 1558 in decimal.
> DLXXXIX in Roman numerals is 589 in decimal.
> XXXIII in Roman numerals is 33 in decimal.
> MCLXXXV in Roman numerals is 1185 in decimal.
> CMVI in Roman numerals is 906 in decimal.
> MCMXCV in Roman numerals is 1995 in decimal.
> CCCXLVII in Roman numerals is 347 in decimal.
> MMMDXLIX in Roman numerals is 3549 in decimal.
> MCCXIX in Roman numerals is 1219 in decimal.
> MMMDI in Roman numerals is 3501 in decimal.
> MMMDCCCXIII in Roman numerals is 3823 in decimal.
> MMDCLXXVIII in Roman numerals is 2678 in decimal.
> MMDIII in Roman numerals is 2503 in decimal.
> DCCCXXIX in Roman numerals is 829 in decimal.
> MMCCCLXXVII in Roman numerals is 2377 in decimal.
> MMMCCCLIX in Roman numerals is 3359 in decimal.
> MMCML in Roman numerals is 2950 in decimal.
> DLIX in Roman numerals is 559 in decimal.
> CDXLVII in Roman numerals is 447 in decimal.
> MMMX in Roman numerals is 3010 in decimal.
> MMXC in Roman numerals is 2090 in decimal.
> CCLXXXVII in Roman numerals is 287 in decimal.
> MMMCMXXV in Roman numerals is 3925 in decimal.
> DCCCLVII in Roman numerals is 857 in decimal.
> MMDCXVIII in Roman numerals is 2623 in decimal.
> DCCXCIII in Roman numerals is 793 in decimal.
> MMM in Roman numerals is 3000 in decimal.
> MMLXXIX in Roman numerals is 2079 in decimal.
> DCCXCIX in Roman numerals is 799 in decimal.
> MMXVI in Roman numerals is 2016 in decimal.
> MDCCCLXXXI in Roman numerals is 1881 in decimal.
> MLIX in Roman numerals is 1059 in decimal.
> MMMCCLXXIV in Roman numerals is 3274 in decimal.
> MMDXLVI in Roman numerals is 2546 in decimal.
> CDV in Roman numerals is 405 in decimal.
> MMMCLXXXIV in Roman numerals is 3184 in decimal.
> XXXVIII in Roman numerals is 38 in decimal.
> MCML in Roman numerals is 1950 in decimal.
> MMMCLXXVI in Roman numerals is 3176 in decimal.
> MMMCMXXXVIII in Roman numerals is 3938 in decimal.
> MMMDLV in Roman numerals is 3555 in decimal.
> MMDCCCVI in Roman numerals is 2806 in decimal.
```

```

> MMCLXXI in Roman numerals is 2271 in decimal.
> MMDCI in Roman numerals is 2603 in decimal.
> CDLIX in Roman numerals is 459 in decimal.
> MMDCCCLXXVI in Roman numerals is 2876 in decimal.
> MMMCMXLIX in Roman numerals is 3949 in decimal.
> MMMDCIV in Roman numerals is 3604 in decimal.
> CCLXXXVIII in Roman numerals is 288 in decimal.
> DLXXIX in Roman numerals is 579 in decimal.
> MCDLXV in Roman numerals is 1465 in decimal.
> MDCXV in Roman numerals is 1615 in decimal.
> MMMCCCIX in Roman numerals is 3309 in decimal.
> MMMCDVII in Roman numerals is 3407 in decimal.
> MDXXVI in Roman numerals is 1526 in decimal.
> MMCDLXIV in Roman numerals is 2464 in decimal.
> MMMDCXLII in Roman numerals is 3642 in decimal.
> MMCXCV in Roman numerals is 2195 in decimal.
> MDCCCLXXXVI in Roman numerals is 1786 in decimal.
> MCMLXXXII in Roman numerals is 1982 in decimal.
> MMMCMLXXXVI in Roman numerals is 3976 in decimal.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test184
```

Test 185 (180 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output	Correct Output
=====	
> MCXLV in Roman numerals is 1145 in decimal.	> MCXLV in Roman numerals is 1145 in decimal.
> DLXXXVI in Roman numerals is 586 in decimal.	> DLXXXVI in Roman numerals is 586 in decimal.
> MMDCCCXXVIII in Roman numerals is 2828 in decimal.	> MMDCCCXXVIII in Roman numerals is 2828 in decimal.
> MMMDCXXXI in Roman numerals is 3631 in decimal.	> MMMDCXXXI in Roman numerals is 3631 in decimal.
> CMXCII in Roman numerals is 992 in decimal.	> CMXCII in Roman numerals is 992 in decimal.
> DCCCXXXV in Roman numerals is 835 in decimal.	> DCCCXXXV in Roman numerals is 835 in decimal.
> MCLXXIX in Roman numerals is 1179 in decimal.	> MCLXXIX in Roman numerals is 1179 in decimal.
> MMMLXXV in Roman numerals is 3075 in decimal.	> MMMLXXV in Roman numerals is 3075 in decimal.
> MMCLIV in Roman numerals is 2154 in decimal.	> MMCLIV in Roman numerals is 2154 in decimal.
> MMMDXLII in Roman numerals is 3542 in decimal.	> MMMDXLII in Roman numerals is 3542 in decimal.
> MMMCXXVIII in Roman numerals is 3128 in decimal.	> MMMCXXVIII in Roman numerals is 3128 in decimal.
> MMDLXXXIX in Roman numerals is 2589 in decimal.	> MMDLXXXIX in Roman numerals is 2589 in decimal.
> MMMDXLV in Roman numerals is 3545 in decimal.	> MMMDXLV in Roman numerals is 3545 in decimal.
> CCCLVII in Roman numerals is 357 in decimal.	> CCCLVII in Roman numerals is 357 in decimal.
> MMMDCXLI in Roman numerals is 3641 in decimal.	> MMMDCXLI in Roman numerals is 3641 in decimal.
> ML in Roman numerals is 1050 in decimal.	> ML in Roman numerals is 1050 in decimal.
> MMDXLII in Roman numerals is 2542 in decimal.	> MMDXLII in Roman numerals is 2542 in decimal.
> MMDLVI in Roman numerals is 2556 in decimal.	> MMDLVI in Roman numerals is 2556 in decimal.
> MMMDCCLXVII in Roman numerals is 3767 in decimal.	> MMMDCCLXVII in Roman numerals is 3767 in decimal.
> DCCCXXXVII in Roman numerals is 837 in decimal.	> DCCCXXXVII in Roman numerals is 837 in decimal.
> MMMCCLXXV in Roman numerals is 3275 in decimal.	> MMMCCLXXV in Roman numerals is 3275 in decimal.
> CLXXXV in Roman numerals is 185 in decimal.	> CLXXXV in Roman numerals is 185 in decimal.
> MCCCCLXXXIII in Roman numerals is 1383 in decimal.	> MCCCCLXXXIII in Roman numerals is 1383 in decimal.
> MMDCLII in Roman numerals is 2652 in decimal.	> MMDCLII in Roman numerals is 2652 in decimal.
> MMMCDLVI in Roman numerals is 3456 in decimal.	> MMMCDLVI in Roman numerals is 3456 in decimal.
> MMMCLIII in Roman numerals is 3153 in decimal.	> MMMCLIII in Roman numerals is 3153 in decimal.
> MMDCCCLXXV in Roman numerals is 2875 in decimal.	> MMDCCCLXXV in Roman numerals is 2875 in decimal.
> MMMDLXXVII in Roman numerals is 3577 in decimal.	> MMMDLXXVII in Roman numerals is 3577 in decimal.
> MMMCLXXII in Roman numerals is 3172 in decimal.	> MMMCLXXII in Roman numerals is 3172 in decimal.
> MDCXXIII in Roman numerals is 1623 in decimal.	> MDCXXIII in Roman numerals is 1623 in decimal.
> MMMCXXXI in Roman numerals is 3131 in decimal.	> MMMCXXXI in Roman numerals is 3131 in decimal.
> CCCIII in Roman numerals is 303 in decimal.	> CCCIII in Roman numerals is 303 in decimal.
> MMDCCCXXXVI in Roman numerals is 2836 in decimal.	> MMDCCCXXXVI in Roman numerals is 2836 in decimal.
> MMMCCCV in Roman numerals is 3305 in decimal.	> MMMCCCV in Roman numerals is 3305 in decimal.
> MMMXLV in Roman numerals is 3045 in decimal.	> MMMXLV in Roman numerals is 3045 in decimal.
> MCCXCIII in Roman numerals is 1293 in decimal.	> MCCXCIII in Roman numerals is 1293 in decimal.
> MCXCIII in Roman numerals is 1193 in decimal.	> MCXCIII in Roman numerals is 1193 in decimal.
> MMCXCVII in Roman numerals is 2997 in decimal.	> MMCXCVII in Roman numerals is 2997 in decimal.
> DXXII in Roman numerals is 522 in decimal.	> DXXII in Roman numerals is 522 in decimal.
> MDCLII in Roman numerals is 1652 in decimal.	> MDCLII in Roman numerals is 1652 in decimal.
> MMMDCXLIV in Roman numerals is 3644 in decimal.	> MMMDCXLIV in Roman numerals is 3644 in decimal.
> CXIV in Roman numerals is 114 in decimal.	> CXIV in Roman numerals is 114 in decimal.
> M in Roman numerals is 1000 in decimal.	> M in Roman numerals is 1000 in decimal.
> MMDXLIII in Roman numerals is 2543 in decimal.	> MMDXLIII in Roman numerals is 2543 in decimal.
> MMMCLXXV in Roman numerals is 3175 in decimal.	> MMMCLXXV in Roman numerals is 3175 in decimal.
> MMVIII in Roman numerals is 2008 in decimal.	> MMVIII in Roman numerals is 2008 in decimal.
> CMLX in Roman numerals is 960 in decimal.	> CMLX in Roman numerals is 960 in decimal.
> CMXI in Roman numerals is 911 in decimal.	> CMXI in Roman numerals is 911 in decimal.
> CCXXXII in Roman numerals is 232 in decimal.	> CCXXXII in Roman numerals is 232 in decimal.
> MMCXXXVI in Roman numerals is 2136 in decimal.	> MMCXXXVI in Roman numerals is 2136 in decimal.
> MMCIX in Roman numerals is 2910 in decimal.	> MMCIX in Roman numerals is 2910 in decimal.
> MMDCCCLXXIX in Roman numerals is 2779 in decimal.	> MMDCCCLXXIX in Roman numerals is 2779 in decimal.
> CDXVII in Roman numerals is 417 in decimal.	> CDXVII in Roman numerals is 417 in decimal.

```

> MMMCMXXXI in Roman numerals is 3931 in decimal.
> MMMCCCXLIX in Roman numerals is 3349 in decimal.
> MMMDCII in Roman numerals is 3602 in decimal.
> MCDLI in Roman numerals is 1451 in decimal.
> LXXIV in Roman numerals is 74 in decimal.
> MMMDCLXX in Roman numerals is 3670 in decimal.
> MMMCMLIV in Roman numerals is 3954 in decimal.
> MMCMLXXVI in Roman numerals is 2976 in decimal.
> XXIII in Roman numerals is 23 in decimal.
> MMCCCLXI in Roman numerals is 3361 in decimal.
> MCLXII in Roman numerals is 1162 in decimal.
> MMCCCLII in Roman numerals is 2252 in decimal.
> MMMDCCCLX in Roman numerals is 3860 in decimal.
> CLXIII in Roman numerals is 163 in decimal.
> MXCVIII in Roman numerals is 1098 in decimal.
> DCCXXXVI in Roman numerals is 736 in decimal.
> CMLXXVIII in Roman numerals is 978 in decimal.
> MMCCCLXXIX in Roman numerals is 2279 in decimal.
> MDCCCLXVI in Roman numerals is 1866 in decimal.
> MMCDXI in Roman numerals is 2411 in decimal.
> DCCXLVI in Roman numerals is 746 in decimal.
> MMCCCV in Roman numerals is 2305 in decimal.
> MMCCI in Roman numerals is 2201 in decimal.
> MDCXXXVII in Roman numerals is 1637 in decimal.
> MDCCCXXII in Roman numerals is 1822 in decimal.
> MMMDCLXXXVIII in Roman numerals is 3683 in decimal.
> MDCXXI in Roman numerals is 1621 in decimal.
> LXXXVIII in Roman numerals is 88 in decimal.
> MMMDLXVIII in Roman numerals is 3568 in decimal.
> MMMCCXLIX in Roman numerals is 3249 in decimal.
> MMCLXXXII in Roman numerals is 2182 in decimal.
> MMMDCXCIV in Roman numerals is 3694 in decimal.
> DCCCXXXIX in Roman numerals is 839 in decimal.
> MMMDCCCVII in Roman numerals is 3807 in decimal.
> MDCCCLII in Roman numerals is 1752 in decimal.
> CMLI in Roman numerals is 951 in decimal.
> MCMXL in Roman numerals is 1940 in decimal.
> MCDLXXXVII in Roman numerals is 1487 in decimal.
> MMMDCLXIV in Roman numerals is 3664 in decimal.
> MMMCMXLIV in Roman numerals is 3944 in decimal.
> DIX in Roman numerals is 509 in decimal.
> MMCDX in Roman numerals is 2410 in decimal.
> CDXCII in Roman numerals is 492 in decimal.
> MMCCXXXI in Roman numerals is 2331 in decimal.
> MMMCDXCIII in Roman numerals is 3493 in decimal.
> MMCMLXXXVI in Roman numerals is 2986 in decimal.
> MMMDXXXIII in Roman numerals is 3533 in decimal.

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You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test185

```

Test 186 (190 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
> MMCCXVII in Roman numerals is 3217 in decimal.	> MMCCXVII in Roman numerals is 3217 in decimal.
> MDCCCVI in Roman numerals is 1806 in decimal.	> MDCCCVI in Roman numerals is 1806 in decimal.
> MMDLXXI in Roman numerals is 2571 in decimal.	> MMDLXXI in Roman numerals is 2571 in decimal.
> CMLXXXVII in Roman numerals is 987 in decimal.	> CMLXXXVII in Roman numerals is 987 in decimal.
> MMCCCLXXX in Roman numerals is 2380 in decimal.	> MMCCCLXXX in Roman numerals is 2380 in decimal.
> MMLXXXV in Roman numerals is 2085 in decimal.	> MMLXXXV in Roman numerals is 2085 in decimal.
> MMCDLXXX in Roman numerals is 2480 in decimal.	> MMCDLXXX in Roman numerals is 2480 in decimal.
> MMMCMXXXVII in Roman numerals is 3937 in decimal.	> MMMCMXXXVII in Roman numerals is 3937 in decimal.
> MMMCDXLIX in Roman numerals is 3449 in decimal.	> MMMCDXLIX in Roman numerals is 3449 in decimal.
> MMMCDIV in Roman numerals is 3404 in decimal.	> MMMCDIV in Roman numerals is 3404 in decimal.
> DXLV in Roman numerals is 545 in decimal.	> DXLV in Roman numerals is 545 in decimal.
> MMCCCCXXV in Roman numerals is 3325 in decimal.	> MMCCCCXXV in Roman numerals is 3325 in decimal.
> CCXCVII in Roman numerals is 297 in decimal.	> CCXCVII in Roman numerals is 297 in decimal.
> MDCXII in Roman numerals is 1641 in decimal.	> MDCXII in Roman numerals is 1641 in decimal.
> CCXVI in Roman numerals is 216 in decimal.	> CCXVI in Roman numerals is 216 in decimal.
> MCXXXIV in Roman numerals is 1134 in decimal.	> MCXXXIV in Roman numerals is 1134 in decimal.
> MCMXI in Roman numerals is 2911 in decimal.	> MCMXI in Roman numerals is 2911 in decimal.
> MCMXXIV in Roman numerals is 1924 in decimal.	> MCMXXIV in Roman numerals is 1924 in decimal.
> CCLXXIII in Roman numerals is 273 in decimal.	> CCLXXIII in Roman numerals is 273 in decimal.
> DCCLXIII in Roman numerals is 763 in decimal.	> DCCLXIII in Roman numerals is 763 in decimal.
> MMCDXXXVIII in Roman numerals is 2433 in decimal.	> MMCDXXXVIII in Roman numerals is 2433 in decimal.
> DCLI in Roman numerals is 651 in decimal.	> DCLI in Roman numerals is 651 in decimal.
> MMDCCXXX in Roman numerals is 2830 in decimal.	> MMDCCXXX in Roman numerals is 2830 in decimal.
> MCCXCI in Roman numerals is 1291 in decimal.	> MCCXCI in Roman numerals is 1291 in decimal.
> MMDCCXVI in Roman numerals is 2816 in decimal.	> MMDCCXVI in Roman numerals is 2816 in decimal.

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> MMCXLIII in Roman numerals is 2143 in decimal.
> MMMDLXIV in Roman numerals is 3564 in decimal.
> MDXCI in Roman numerals is 1591 in decimal.
> MMMDCCCXXXII in Roman numerals is 3832 in decimal.
> MMMDCCVI in Roman numerals is 3706 in decimal.
> DCCCLXXXII in Roman numerals is 882 in decimal.
> CXXVI in Roman numerals is 126 in decimal.
> MMMCDXXII in Roman numerals is 3422 in decimal.
> DCCXLIII in Roman numerals is 743 in decimal.
> MMDCVI in Roman numerals is 2606 in decimal.
> LXXX in Roman numerals is 80 in decimal.
> MMCMXX in Roman numerals is 2920 in decimal.
> MMCCXCV in Roman numerals is 2295 in decimal.
> MMMXXI in Roman numerals is 3031 in decimal.
> MCDXXXVI in Roman numerals is 1436 in decimal.
> MMMDCCIX in Roman numerals is 3709 in decimal.
> DCLXVII in Roman numerals is 667 in decimal.
> CCLXIV in Roman numerals is 264 in decimal.
> CCXCIII in Roman numerals is 293 in decimal.
> XCV in Roman numerals is 95 in decimal.
> MMDCLXI in Roman numerals is 2661 in decimal.
> MMCCCXXXII in Roman numerals is 2332 in decimal.
> DCCCXLIX in Roman numerals is 849 in decimal.
> MMMCXLV in Roman numerals is 3145 in decimal.
> MMMCDLXXVIII in Roman numerals is 3478 in decimal.
> MMMDCXLV in Roman numerals is 3645 in decimal.
> MMMCDVIII in Roman numerals is 3408 in decimal.
> CXLIX in Roman numerals is 149 in decimal.
> CDXCI in Roman numerals is 491 in decimal.
> MMMDLXXXV in Roman numerals is 3585 in decimal.
> MMMDCC LXI in Roman numerals is 3761 in decimal.
> CXCI in Roman numerals is 191 in decimal.
> MMMDCCCLXIII in Roman numerals is 3863 in decimal.
> MDCII in Roman numerals is 1602 in decimal.
> MMDLXI in Roman numerals is 2561 in decimal.
> MMMDLVIII in Roman numerals is 3558 in decimal.
> CDXCV in Roman numerals is 495 in decimal.
> MCCXXXIV in Roman numerals is 1234 in decimal.
> DCCXCVII in Roman numerals is 797 in decimal.
> MMMCXCI in Roman numerals is 3199 in decimal.
> MMDXLI in Roman numerals is 2541 in decimal.
> DCXLI in Roman numerals is 641 in decimal.
> CI in Roman numerals is 101 in decimal.
> CDLVIII in Roman numerals is 458 in decimal.
> CCCLXX in Roman numerals is 370 in decimal.
> CDXC in Roman numerals is 490 in decimal.
> MMMCCCLXIII in Roman numerals is 3363 in decimal.
> DXLVII in Roman numerals is 547 in decimal.
> CCXXV in Roman numerals is 225 in decimal.
> MMCLXXVI in Roman numerals is 2176 in decimal.
> MMCDXVII in Roman numerals is 2417 in decimal.
> MMDII in Roman numerals is 2502 in decimal.
> MCCLVI in Roman numerals is 1256 in decimal.
> MMDLXVI in Roman numerals is 2566 in decimal.
> MMMDCCXVIII in Roman numerals is 3718 in decimal.
> MCDLXXIX in Roman numerals is 1479 in decimal.
> MDCCCLXXX in Roman numerals is 1880 in decimal.
> MMMCXCI in Roman numerals is 3193 in decimal.
> DCCLI in Roman numerals is 751 in decimal.
> CCLXXI in Roman numerals is 271 in decimal.
> CCCLXXX in Roman numerals is 380 in decimal.
> MMMCCCLI in Roman numerals is 3351 in decimal.
> MCCLXXXV in Roman numerals is 1285 in decimal.
> DCCCX in Roman numerals is 810 in decimal.
> MMMDCXVIII in Roman numerals is 3618 in decimal.
> DCLXXX in Roman numerals is 680 in decimal.
> MMDCCX in Roman numerals is 2710 in decimal.
> MCCCLIII in Roman numerals is 1353 in decimal.
> MMCCCXLI in Roman numerals is 2341 in decimal.
> DLXXXII in Roman numerals is 582 in decimal.
> MMCM LXXXII in Roman numerals is 2982 in decimal.
> MMCCCXII in Roman numerals is 2312 in decimal.
> MMXXVII in Roman numerals is 2037 in decimal.
> CIV in Roman numerals is 104 in decimal.
> MMCLXXVII in Roman numerals is 2177 in decimal.

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You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14sl/assignments/ass1/tests/test186

```

Test 187 (200 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output

Correct Output

```
> MDCCCLXV in Roman numerals is 1765 in decimal.
> LV in Roman numerals is 55 in decimal.
> MMMLXXII in Roman numerals is 3072 in decimal.
> CCCXXXVII in Roman numerals is 337 in decimal.
> MMCLXXII in Roman numerals is 2172 in decimal.
> MMCM in Roman numerals is 2900 in decimal.
> MMCXV in Roman numerals is 2115 in decimal.
> MMDLXXVIII in Roman numerals is 2578 in decimal.
> MMMCLII in Roman numerals is 3152 in decimal.
> MDCCCLXIV in Roman numerals is 1864 in decimal.
> MDCCCXX in Roman numerals is 1820 in decimal.
> MDLII in Roman numerals is 1552 in decimal.
> LXII in Roman numerals is 62 in decimal.
> MMMDXCVIII in Roman numerals is 3598 in decimal.
> MMMDCCCIX in Roman numerals is 3809 in decimal.
> MMMCXXXVII in Roman numerals is 3137 in decimal.
> MMDLXXXIV in Roman numerals is 2584 in decimal.
> MDCCCL in Roman numerals is 1750 in decimal.
> MMMDCCCXII in Roman numerals is 3812 in decimal.
> MMDCCLVII in Roman numerals is 2757 in decimal.
> CCXL in Roman numerals is 240 in decimal.
> MMDCCXLVII in Roman numerals is 2747 in decimal.
> MMVI in Roman numerals is 2006 in decimal.
> MMCCXCIII in Roman numerals is 2293 in decimal.
> CCXX in Roman numerals is 220 in decimal.
> MMMDXXXVII in Roman numerals is 3537 in decimal.
> CMLXXV in Roman numerals is 975 in decimal.
> MDCXCIX in Roman numerals is 1699 in decimal.
> MDCCCLXXXVI in Roman numerals is 1886 in decimal.
> MMMDCXCIII in Roman numerals is 3693 in decimal.
> CXCVII in Roman numerals is 197 in decimal.
> MXXX in Roman numerals is 1030 in decimal.
> CCCXCV in Roman numerals is 395 in decimal.
> MMCVII in Roman numerals is 2107 in decimal.
> MMCXIV in Roman numerals is 2114 in decimal.
> MMMDII in Roman numerals is 3502 in decimal.
> MMCCXXI in Roman numerals is 2221 in decimal.
> MMMCCXXXVIII in Roman numerals is 3238 in decimal.
> DCLIV in Roman numerals is 654 in decimal.
> MDLV in Roman numerals is 1555 in decimal.
> MMCCXIX in Roman numerals is 2219 in decimal.
> DCCCLXVIII in Roman numerals is 868 in decimal.
> CMLVII in Roman numerals is 957 in decimal.
> CDVIII in Roman numerals is 408 in decimal.
> MCMLX in Roman numerals is 1960 in decimal.
> MMDCCCLVI in Roman numerals is 2856 in decimal.
> CM in Roman numerals is 900 in decimal.
> MMDCCCXXXVIII in Roman numerals is 2838 in decimal.
> DCXXXII in Roman numerals is 632 in decimal.
> MMDCCC in Roman numerals is 2800 in decimal.
> MMMCMLXXVII in Roman numerals is 3977 in decimal.
> MDLXIX in Roman numerals is 1569 in decimal.
> MMDCCCLXVII in Roman numerals is 2867 in decimal.
> MMXXI in Roman numerals is 2021 in decimal.
> DCCCLXXXVIII in Roman numerals is 888 in decimal.
> MCII in Roman numerals is 1102 in decimal.
> MMMCLXVIII in Roman numerals is 3168 in decimal.
> DCCII in Roman numerals is 702 in decimal.
> MMMCDLXXXVII in Roman numerals is 3487 in decimal.
> MMCMLXXXIX in Roman numerals is 2989 in decimal.
> MMXXIII in Roman numerals is 2023 in decimal.
> MCXXXI in Roman numerals is 1131 in decimal.
> MMMCCCLXXII in Roman numerals is 3372 in decimal.
> MMMDCXXXVIII in Roman numerals is 3628 in decimal.
> MIX in Roman numerals is 1009 in decimal.
> C in Roman numerals is 100 in decimal.
> CCLXII in Roman numerals is 262 in decimal.
> CLXXVII in Roman numerals is 177 in decimal.
> DCXXV in Roman numerals is 625 in decimal.
> XXI in Roman numerals is 21 in decimal.
> MMDLIII in Roman numerals is 2553 in decimal.
> DCCCLXXVIII in Roman numerals is 878 in decimal.
> DCXCIII in Roman numerals is 693 in decimal.
> MCLXXI in Roman numerals is 1171 in decimal.
> MMMDCLX in Roman numerals is 3660 in decimal.
> MCDXLIV in Roman numerals is 1444 in decimal.
> MMCMXCIII in Roman numerals is 2993 in decimal.
> MMMCMVI in Roman numerals is 3906 in decimal.
> MMMDCXXXVI in Roman numerals is 3636 in decimal.
> MMMDCLXXXVII in Roman numerals is 3687 in decimal.
> MCCCLXII in Roman numerals is 1362 in decimal.
```



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> MCCLXXI in Roman numerals is 1271 in decimal.
> MMMDXCV in Roman numerals is 3595 in decimal.
> MMMDCLV in Roman numerals is 3655 in decimal.
> MCCXXI in Roman numerals is 1231 in decimal.
> MMDCCCL in Roman numerals is 2850 in decimal.
> CMXCI in Roman numerals is 991 in decimal.
> MMCCXLVI in Roman numerals is 2246 in decimal.
> MDXXXII in Roman numerals is 1532 in decimal.
> MCCXCVIII in Roman numerals is 1298 in decimal.
> MDCLIII in Roman numerals is 1753 in decimal.
> MMMDCLXIII in Roman numerals is 3663 in decimal.
> MMMDXXXV in Roman numerals is 3535 in decimal.
> MDCCCLXIX in Roman numerals is 1869 in decimal.
> MMMDCCCLIV in Roman numerals is 3844 in decimal.
> DCIV in Roman numerals is 604 in decimal.
> MDCCCXXXVIII in Roman numerals is 1838 in decimal.
> MDCCXI in Roman numerals is 1711 in decimal.
> MMCCV in Roman numerals is 3205 in decimal.
> MCMXXXIII in Roman numerals is 1933 in decimal.

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You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test187
```

Test 188 (210 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output	Correct Output
> MMMDCCXLVI in Roman numerals is 3846 in decimal.	> MMMDCCXLVI in Roman numerals is 3846 in decimal.
> MMLI in Roman numerals is 2051 in decimal.	> MMLI in Roman numerals is 2051 in decimal.
> CMXXVI in Roman numerals is 926 in decimal.	> CMXXVI in Roman numerals is 926 in decimal.
> MCCI in Roman numerals is 1201 in decimal.	> MCCI in Roman numerals is 1201 in decimal.
> XXXIV in Roman numerals is 34 in decimal.	> XXXIV in Roman numerals is 34 in decimal.
> DXIV in Roman numerals is 514 in decimal.	> DXIV in Roman numerals is 514 in decimal.
> DCXXX in Roman numerals is 630 in decimal.	> DCXXX in Roman numerals is 630 in decimal.
> DCLXX in Roman numerals is 670 in decimal.	> DCLXX in Roman numerals is 670 in decimal.
> MDCCCLXX in Roman numerals is 1770 in decimal.	> MDCCCLXX in Roman numerals is 1770 in decimal.
> MMMDXCI in Roman numerals is 3591 in decimal.	> MMMDXCI in Roman numerals is 3591 in decimal.
> MCIV in Roman numerals is 1104 in decimal.	> MCIV in Roman numerals is 1104 in decimal.
> DLX in Roman numerals is 560 in decimal.	> DLX in Roman numerals is 560 in decimal.
> MMMCLXXIII in Roman numerals is 3173 in decimal.	> MMMCLXXIII in Roman numerals is 3173 in decimal.
> MMDXCVII in Roman numerals is 2597 in decimal.	> MMDXCVII in Roman numerals is 2597 in decimal.
> CLXVI in Roman numerals is 166 in decimal.	> CLXVI in Roman numerals is 166 in decimal.
> MCMXXVIII in Roman numerals is 1928 in decimal.	> MCMXXVIII in Roman numerals is 1928 in decimal.
> MMCMLXXXV in Roman numerals is 2985 in decimal.	> MMCMLXXXV in Roman numerals is 2985 in decimal.
> MMCXCVI in Roman numerals is 2196 in decimal.	> MMCXCVI in Roman numerals is 2196 in decimal.
> MMMDXLVII in Roman numerals is 3547 in decimal.	> MMMDXLVII in Roman numerals is 3547 in decimal.
> MMDCCXVIII in Roman numerals is 2818 in decimal.	> MMDCCXVIII in Roman numerals is 2818 in decimal.
> MMCDXCII in Roman numerals is 2492 in decimal.	> MMCDXCII in Roman numerals is 2492 in decimal.
> XCVIII in Roman numerals is 98 in decimal.	> XCVIII in Roman numerals is 98 in decimal.
> MMCXL in Roman numerals is 2140 in decimal.	> MMCXL in Roman numerals is 2140 in decimal.
> CCXXI in Roman numerals is 231 in decimal.	> CCXXI in Roman numerals is 231 in decimal.
> MDCCCXLVII in Roman numerals is 1847 in decimal.	> MDCCCXLVII in Roman numerals is 1847 in decimal.
> MMMXXXIII in Roman numerals is 3033 in decimal.	> MMMXXXIII in Roman numerals is 3033 in decimal.
> MMDCCXXVI in Roman numerals is 2636 in decimal.	> MMDCCXXVI in Roman numerals is 2636 in decimal.
> DCCLXXXIII in Roman numerals is 783 in decimal.	> DCCLXXXIII in Roman numerals is 783 in decimal.
> DCCCLXXXIX in Roman numerals is 789 in decimal.	> DCCCLXXXIX in Roman numerals is 789 in decimal.
> MCCCXC in Roman numerals is 1390 in decimal.	> MCCCXC in Roman numerals is 1390 in decimal.
> DCXXI in Roman numerals is 631 in decimal.	> DCXXI in Roman numerals is 631 in decimal.
> MMCDLXXXI in Roman numerals is 3481 in decimal.	> MMCDLXXXI in Roman numerals is 3481 in decimal.
> DCCLX in Roman numerals is 760 in decimal.	> DCCLX in Roman numerals is 760 in decimal.
> MMMDCVII in Roman numerals is 3607 in decimal.	> MMMDCVII in Roman numerals is 3607 in decimal.
> CCCIX in Roman numerals is 309 in decimal.	> CCCIX in Roman numerals is 309 in decimal.
> MMXCIV in Roman numerals is 2094 in decimal.	> MMXCIV in Roman numerals is 2094 in decimal.
> MMCDXIV in Roman numerals is 2414 in decimal.	> MMCDXIV in Roman numerals is 2414 in decimal.
> MMMDCCCLXXXIX in Roman numerals is 3789 in decimal.	> MMMDCCCLXXXIX in Roman numerals is 3789 in decimal.
> MCMXCVI in Roman numerals is 2996 in decimal.	> MCMXCVI in Roman numerals is 2996 in decimal.
> DCCX in Roman numerals is 710 in decimal.	> DCCX in Roman numerals is 710 in decimal.
> MMMDXXXVI in Roman numerals is 3536 in decimal.	> MMMDXXXVI in Roman numerals is 3536 in decimal.
> CMV in Roman numerals is 905 in decimal.	> CMV in Roman numerals is 905 in decimal.
> MCCCXXXV in Roman numerals is 1335 in decimal.	> MCCCXXXV in Roman numerals is 1335 in decimal.
> MMCDIX in Roman numerals is 2409 in decimal.	> MMCDIX in Roman numerals is 2409 in decimal.
> DCLXVI in Roman numerals is 666 in decimal.	> DCLXVI in Roman numerals is 666 in decimal.
> MCCCCLXXVI in Roman numerals is 1376 in decimal.	> MCCCCLXXVI in Roman numerals is 1376 in decimal.
> MCMLXXXIV in Roman numerals is 1984 in decimal.	> MCMLXXXIV in Roman numerals is 1984 in decimal.
> DCCVII in Roman numerals is 707 in decimal.	> DCCVII in Roman numerals is 707 in decimal.
> MCXIII in Roman numerals is 1113 in decimal.	> MCXIII in Roman numerals is 1113 in decimal.
> MMXXXVIII in Roman numerals is 2038 in decimal.	> MMXXXVIII in Roman numerals is 2038 in decimal.
> CXXXII in Roman numerals is 132 in decimal.	> CXXXII in Roman numerals is 132 in decimal.
> MMCCCXXII in Roman numerals is 2322 in decimal.	> MMCCCXXII in Roman numerals is 2322 in decimal.
> MMLXVII in Roman numerals is 2067 in decimal.	> MMLXVII in Roman numerals is 2067 in decimal.

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> DCLXXV in Roman numerals is 675 in decimal.
> MMDCCCLXIV in Roman numerals is 2864 in decimal.
> MMMCDXVII in Roman numerals is 3417 in decimal.
> MMCCXLIII in Roman numerals is 2242 in decimal.
> CVIII in Roman numerals is 108 in decimal.
> MIII in Roman numerals is 1003 in decimal.
> MMCCCLIV in Roman numerals is 2354 in decimal.
> MMDXCV in Roman numerals is 2595 in decimal.
> DCCVI in Roman numerals is 706 in decimal.
> MMMDLIII in Roman numerals is 3553 in decimal.
> MMCDXCVIII in Roman numerals is 2498 in decimal.
> MCCCXXXIX in Roman numerals is 1389 in decimal.
> MCCXCIV in Roman numerals is 1294 in decimal.
> MMDCLXXXIII in Roman numerals is 2683 in decimal.
> MMDCLV in Roman numerals is 2655 in decimal.
> MMMDCCLV in Roman numerals is 3755 in decimal.
> MMIX in Roman numerals is 2009 in decimal.
> MMMDXV in Roman numerals is 3515 in decimal.
> MMLVIII in Roman numerals is 2058 in decimal.
> DCCCXXXVIII in Roman numerals is 838 in decimal.
> MMMDIII in Roman numerals is 3503 in decimal.
> MMMCCCXXI in Roman numerals is 3331 in decimal.
> MCMLXXXVII in Roman numerals is 1987 in decimal.
> MCLXXVIII in Roman numerals is 1178 in decimal.
> MCCLV in Roman numerals is 1255 in decimal.
> MMCXII in Roman numerals is 2912 in decimal.
> MMMDCLXVII in Roman numerals is 3667 in decimal.
> XII in Roman numerals is 12 in decimal.
> MMMDCCCXXXIII in Roman numerals is 3833 in decimal.
> MCCCVIII in Roman numerals is 1308 in decimal.
> CDXXVIII in Roman numerals is 428 in decimal.
> MMMDCCCXCIX in Roman numerals is 3899 in decimal.
> MCCVI in Roman numerals is 1206 in decimal.
> MCCLXXIV in Roman numerals is 1274 in decimal.
> MMCCXC in Roman numerals is 2290 in decimal.
> MCCCII in Roman numerals is 1351 in decimal.
> MDXXIX in Roman numerals is 1529 in decimal.
> MMDCXI in Roman numerals is 2611 in decimal.
> MMMDXII in Roman numerals is 3512 in decimal.
> MDCCCLXXXIX in Roman numerals is 1789 in decimal.
> MDCCCXXVII in Roman numerals is 1827 in decimal.
> MMCCCLIII in Roman numerals is 2343 in decimal.
> MDCCCXXXIX in Roman numerals is 1739 in decimal.
> DCCL in Roman numerals is 750 in decimal.
> MMCXIX in Roman numerals is 2119 in decimal.
> MMMCXC in Roman numerals is 3190 in decimal.
> MCMLVII in Roman numerals is 1957 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test188

```

Test 189 (220 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> MMCXLV in Roman numerals is 2145 in decimal.
	> CCCLXXIII in Roman numerals is 373 in decimal.
	> MMDLXXXVII in Roman numerals is 2587 in decimal.
	> MMMDXIV in Roman numerals is 3514 in decimal.
	> CCCLXXXIII in Roman numerals is 383 in decimal.
	> MMMCCXCIV in Roman numerals is 3394 in decimal.
	> MMDCCCLVI in Roman numerals is 2756 in decimal.
	> MCMLXXX in Roman numerals is 1980 in decimal.
	> MMCDLXXVIII in Roman numerals is 2478 in decimal.
	> MCDXXI in Roman numerals is 1421 in decimal.
	> MMMCIV in Roman numerals is 3104 in decimal.
	> MMMCCIII in Roman numerals is 3303 in decimal.
	> MMMDCCCXLVIII in Roman numerals is 3848 in decimal
	> MCDLXXXII in Roman numerals is 1482 in decimal.
	> DCCCXXXIV in Roman numerals is 834 in decimal.
	> MCDVI in Roman numerals is 1406 in decimal.
	> DXXV in Roman numerals is 525 in decimal.
	> MDCXII in Roman numerals is 1612 in decimal.
	> MCCCXCIV in Roman numerals is 1394 in decimal.
	> MMV in Roman numerals is 2005 in decimal.
	> MDCXC in Roman numerals is 1690 in decimal.
	> MMMDCCCLXIX in Roman numerals is 3869 in decimal.
	> CMLXXV in Roman numerals is 985 in decimal.
	> MMCCII in Roman numerals is 2202 in decimal.
	> CMXVI in Roman numerals is 916 in decimal.

```

> MDCCLXXXI in Roman numerals is 1781 in decimal.
> CCLXIX in Roman numerals is 269 in decimal.
> MMMCDLV in Roman numerals is 3455 in decimal.
> MCIX in Roman numerals is 1109 in decimal.
> MMMCMXXII in Roman numerals is 3922 in decimal.
> MCCXCVI in Roman numerals is 1296 in decimal.
> CCXXXVIII in Roman numerals is 238 in decimal.
> XXVIII in Roman numerals is 28 in decimal.
> MMCXCIV in Roman numerals is 2194 in decimal.
> MMMDCLXXIV in Roman numerals is 3774 in decimal.
> MMCMXXV in Roman numerals is 2925 in decimal.
> MMCLXI in Roman numerals is 2161 in decimal.
> MMMCCCXLV in Roman numerals is 3345 in decimal.
> DXXXVII in Roman numerals is 537 in decimal.
> DCCLII in Roman numerals is 752 in decimal.
> MMMDCXIII in Roman numerals is 3613 in decimal.
> MMMDXCIII in Roman numerals is 3593 in decimal.
> MLXII in Roman numerals is 1062 in decimal.
> MDLXXIII in Roman numerals is 1573 in decimal.
> MMDCCXXXIX in Roman numerals is 2739 in decimal.
> MMMDCXCIII in Roman numerals is 3713 in decimal.
> DCCCLXV in Roman numerals is 865 in decimal.
> MMCCXXI in Roman numerals is 2231 in decimal.
> MMMDCCXXXII in Roman numerals is 3732 in decimal.
> MMMDCCXIX in Roman numerals is 3719 in decimal.
> MMLXXIV in Roman numerals is 2074 in decimal.
> MMDCCXVIII in Roman numerals is 2628 in decimal.
> MDCCCXXXIV in Roman numerals is 1834 in decimal.
> MMCXXXVIII in Roman numerals is 2138 in decimal.
> MMDCCX in Roman numerals is 2620 in decimal.
> CDXX in Roman numerals is 420 in decimal.
> MMDCCCLXXIII in Roman numerals is 2773 in decimal.
> MCMLXXII in Roman numerals is 1972 in decimal.
> MMMCCCLXXV in Roman numerals is 3375 in decimal.
> MCDXCIII in Roman numerals is 1493 in decimal.
> DCCCVIII in Roman numerals is 808 in decimal.
> MMDCLXVIII in Roman numerals is 2668 in decimal.
> MMMDCVI in Roman numerals is 3606 in decimal.
> MMDCCXCIX in Roman numerals is 2799 in decimal.
> CDXLIII in Roman numerals is 443 in decimal.
> MCVI in Roman numerals is 1106 in decimal.
> MCMXLVII in Roman numerals is 1947 in decimal.
> MMCMVII in Roman numerals is 2907 in decimal.
> MMCCCLXXXVII in Roman numerals is 2287 in decimal.
> MCCXVI in Roman numerals is 1216 in decimal.
> MMDCCXXXII in Roman numerals is 2632 in decimal.
> MMMLXIII in Roman numerals is 3063 in decimal.
> DCXXVIII in Roman numerals is 628 in decimal.
> MMDCCCXI in Roman numerals is 2811 in decimal.
> CDXIV in Roman numerals is 414 in decimal.
> MMMDCCCLXXXII in Roman numerals is 3782 in decimal.
> MXXXV in Roman numerals is 1035 in decimal.
> MMMXLIV in Roman numerals is 3044 in decimal.
> MMCCCLXX in Roman numerals is 2270 in decimal.
> MMMDCCCXX in Roman numerals is 3820 in decimal.
> DCLXII in Roman numerals is 662 in decimal.
> MCCLXII in Roman numerals is 1262 in decimal.
> MDCCCXLII in Roman numerals is 1842 in decimal.
> MDCV in Roman numerals is 1605 in decimal.
> DCCCXLII in Roman numerals is 842 in decimal.
> MDCXXXIII in Roman numerals is 1633 in decimal.
> MMCCCVII in Roman numerals is 2307 in decimal.
> MDCX in Roman numerals is 1610 in decimal.
> MLXVII in Roman numerals is 1067 in decimal.
> MMMCX in Roman numerals is 3110 in decimal.
> MMCCXVII in Roman numerals is 2217 in decimal.
> MDCXCII in Roman numerals is 1692 in decimal.
> CXXIII in Roman numerals is 123 in decimal.
> CXX in Roman numerals is 120 in decimal.
> CLXIV in Roman numerals is 164 in decimal.
> MMDCCII in Roman numerals is 2702 in decimal.
> DCXIII in Roman numerals is 613 in decimal.
> MMCCXVIII in Roman numerals is 2218 in decimal.
> MCCCCLXXXI in Roman numerals is 1381 in decimal.
> MMMCCXL in Roman numerals is 3240 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14sl/assignments/ass1/tests/test189

```

Test 190 (230 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

> MCCCXII in Roman numerals is 1312 in decimal.
> DCCCXL in Roman numerals is 840 in decimal.
> MMDCLXXV in Roman numerals is 2675 in decimal.
> CMLXXVI in Roman numerals is 976 in decimal.
> CCVIII in Roman numerals is 208 in decimal.
> DLXXVI in Roman numerals is 576 in decimal.
> MMDXLVIII in Roman numerals is 2548 in decimal.
> CCLX in Roman numerals is 260 in decimal.
> MMCMXLIV in Roman numerals is 2944 in decimal.
> CMLVI in Roman numerals is 956 in decimal.
> MDCCCVIII in Roman numerals is 1808 in decimal.
> MMMCLXI in Roman numerals is 3161 in decimal.
> MMMCCCLXXXI in Roman numerals is 3381 in decimal.
> CLXV in Roman numerals is 165 in decimal.
> MMDXCVIII in Roman numerals is 2598 in decimal.
> MMMDCCXCII in Roman numerals is 3792 in decimal.
> MCCCXXIV in Roman numerals is 1324 in decimal.
> MMCCCVI in Roman numerals is 2306 in decimal.
> MMMDCXXXIX in Roman numerals is 3639 in decimal.
> LXXXIX in Roman numerals is 89 in decimal.
> MCXIX in Roman numerals is 1119 in decimal.
> MCCCXL in Roman numerals is 1340 in decimal.
> MMMCCCXLIV in Roman numerals is 3344 in decimal.
> MXLV in Roman numerals is 1045 in decimal.
> MDLXXXI in Roman numerals is 1581 in decimal.
> MLXVIII in Roman numerals is 1068 in decimal.
> MCDLXXIII in Roman numerals is 1473 in decimal.
> MCCLXXXVII in Roman numerals is 1287 in decimal.
> MMCCXVI in Roman numerals is 2216 in decimal.
> MMMDCCLII in Roman numerals is 3752 in decimal.
> MMCCCLXXII in Roman numerals is 2372 in decimal.
> MMDXLIV in Roman numerals is 2544 in decimal.
> MMMDCCLXXVI in Roman numerals is 3776 in decimal.
> MDCCCL in Roman numerals is 1850 in decimal.
> MMMCDLXXI in Roman numerals is 3471 in decimal.
> CCCLXXVI in Roman numerals is 376 in decimal.
> CCCLXXXIX in Roman numerals is 389 in decimal.
> MMMDLXXX in Roman numerals is 3580 in decimal.
> MMDCCCLXXXII in Roman numerals is 2782 in decimal.
> MMMDLXXIV in Roman numerals is 3574 in decimal.
> DCCXXXIII in Roman numerals is 733 in decimal.
> MMDCCCLXXXVII in Roman numerals is 2787 in decimal.
> MDCCCLXXXV in Roman numerals is 1785 in decimal.
> DCCCXX in Roman numerals is 820 in decimal.
> MDXVII in Roman numerals is 1517 in decimal.
> MDXXXIX in Roman numerals is 1539 in decimal.
> MDCCCI in Roman numerals is 1801 in decimal.
> MMMDCXXXII in Roman numerals is 3632 in decimal.
> MMMCMXLVI in Roman numerals is 3946 in decimal.
> MMCMXLII in Roman numerals is 2942 in decimal.
> MMMCXCVII in Roman numerals is 3197 in decimal.
> MDCLXXVIII in Roman numerals is 1678 in decimal.
> MDCLXXXIV in Roman numerals is 1684 in decimal.
> MMMCMLXX in Roman numerals is 3970 in decimal.
> MMMCDXXXI in Roman numerals is 3431 in decimal.
> MMDXCIII in Roman numerals is 2593 in decimal.
> MLI in Roman numerals is 1051 in decimal.
> MMDXXVII in Roman numerals is 2527 in decimal.
> MMCMXLIII in Roman numerals is 2943 in decimal.
> MMCXXXVII in Roman numerals is 2137 in decimal.
> CCXXI in Roman numerals is 221 in decimal.
> CL in Roman numerals is 150 in decimal.
> MMCCCXII in Roman numerals is 3312 in decimal.
> CDLXXII in Roman numerals is 472 in decimal.
> MMDLV in Roman numerals is 2565 in decimal.
> MMMDCCCXXXVI in Roman numerals is 3836 in decimal.
> MMDCLX in Roman numerals is 2660 in decimal.
> MDCCCLXXXIV in Roman numerals is 1884 in decimal.
> DCCCXCII in Roman numerals is 892 in decimal.
> MMMDCCCXXVII in Roman numerals is 3827 in decimal.
> MMDXCII in Roman numerals is 2592 in decimal.
> MMMCXXX in Roman numerals is 3130 in decimal.
> MMMLXXIV in Roman numerals is 3074 in decimal.
> MMCDXCVII in Roman numerals is 2497 in decimal.
> MMMCCCLVI in Roman numerals is 3356 in decimal.
> MLVI in Roman numerals is 1056 in decimal.
> MIV in Roman numerals is 1004 in decimal.
> MVIII in Roman numerals is 1008 in decimal.
> CCLXXVI in Roman numerals is 276 in decimal.
> MMCDXXVI in Roman numerals is 2426 in decimal.
> MMCI in Roman numerals is 2101 in decimal.

```

> MMMDCCCLXXII in Roman numerals is 3872 in decimal.
> XXIX in Roman numerals is 29 in decimal.
> MMMDCCCXXXVII in Roman numerals is 3837 in decimal
> CDXXIII in Roman numerals is 423 in decimal.
> CMXXIX in Roman numerals is 929 in decimal.
> CDXCVIII in Roman numerals is 498 in decimal.
> MXXVIII in Roman numerals is 1028 in decimal.
> MMMCCCLXXI in Roman numerals is 3371 in decimal.
> MMMCLXXIV in Roman numerals is 3174 in decimal.
> MML in Roman numerals is 2050 in decimal.
> CCX in Roman numerals is 210 in decimal.
> MDVI in Roman numerals is 1506 in decimal.
> CCCXXIX in Roman numerals is 329 in decimal.
> MMMXXVI in Roman numerals is 3026 in decimal.
> CDLXI in Roman numerals is 461 in decimal.
> MMDCLI in Roman numerals is 2651 in decimal.
> MMDCCXX in Roman numerals is 2720 in decimal.
> MMMCMIX in Roman numerals is 3909 in decimal.
> MDCCCXI in Roman numerals is 1811 in decimal.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test190
```

Test 191 (240 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output	Correct Output
> LXXVIII in Roman numerals is 78 in decimal.	> LXXVIII in Roman numerals is 78 in decimal.
> MMMDCCXXXV in Roman numerals is 3735 in decimal.	> MMMDCCXXXV in Roman numerals is 3735 in decimal.
> MMMDCI in Roman numerals is 3601 in decimal.	> MMMDCI in Roman numerals is 3601 in decimal.
> MMMCLXXXVIII in Roman numerals is 3188 in decimal.	> MMMCLXXXVIII in Roman numerals is 3188 in decimal.
> MMMCVI in Roman numerals is 3106 in decimal.	> MMMCVI in Roman numerals is 3106 in decimal.
> DXLIII in Roman numerals is 543 in decimal.	> DXLIII in Roman numerals is 543 in decimal.
> MMDCCXCI in Roman numerals is 2791 in decimal.	> MMDCCXCI in Roman numerals is 2791 in decimal.
> MDCLXXXVI in Roman numerals is 1686 in decimal.	> MDCLXXXVI in Roman numerals is 1686 in decimal.
> MMMLXI in Roman numerals is 3061 in decimal.	> MMMLXI in Roman numerals is 3061 in decimal.
> MDCLXXII in Roman numerals is 1672 in decimal.	> MDCLXXII in Roman numerals is 1672 in decimal.
> CLVI in Roman numerals is 156 in decimal.	> CLVI in Roman numerals is 156 in decimal.
> MCDLXXXIV in Roman numerals is 1484 in decimal.	> MCDLXXXIV in Roman numerals is 1484 in decimal.
> MMCDLXXXIX in Roman numerals is 2489 in decimal.	> MMCDLXXXIX in Roman numerals is 2489 in decimal.
> MMDLXIV in Roman numerals is 2564 in decimal.	> MMDLXIV in Roman numerals is 2564 in decimal.
> MMMDCCXXXIII in Roman numerals is 3733 in decimal.	> MMMDCCXXXIII in Roman numerals is 3733 in decimal.
> MMMCMXXXIV in Roman numerals is 3934 in decimal.	> MMMCMXXXIV in Roman numerals is 3934 in decimal.
> MCCX in Roman numerals is 1210 in decimal.	> MCCX in Roman numerals is 1210 in decimal.
> MMCCCLXVI in Roman numerals is 2366 in decimal.	> MMCCCLXVI in Roman numerals is 2366 in decimal.
> MMMXVIII in Roman numerals is 3018 in decimal.	> MMMXVIII in Roman numerals is 3018 in decimal.
> CCCLIV in Roman numerals is 354 in decimal.	> CCCLIV in Roman numerals is 354 in decimal.
> DCXCVIII in Roman numerals is 698 in decimal.	> DCXCVIII in Roman numerals is 698 in decimal.
> MCMLXX in Roman numerals is 1970 in decimal.	> MCMLXX in Roman numerals is 1970 in decimal.
> MDCXLV in Roman numerals is 1645 in decimal.	> MDCXLV in Roman numerals is 1645 in decimal.
> MMDXXXI in Roman numerals is 2531 in decimal.	> MMDXXXI in Roman numerals is 2531 in decimal.
> MCDLVII in Roman numerals is 1457 in decimal.	> MCDLVII in Roman numerals is 1457 in decimal.
> MDCCXLVII in Roman numerals is 1747 in decimal.	> MDCCXLVII in Roman numerals is 1747 in decimal.
> MMCXXXIII in Roman numerals is 2133 in decimal.	> MMCXXXIII in Roman numerals is 2133 in decimal.
> MMDCXIII in Roman numerals is 2613 in decimal.	> MMDCXIII in Roman numerals is 2613 in decimal.
> MMMCMLXII in Roman numerals is 3962 in decimal.	> MMMCMLXII in Roman numerals is 3962 in decimal.
> MMMCCLXXXIII in Roman numerals is 3273 in decimal.	> MMMCCLXXXIII in Roman numerals is 3273 in decimal.
> MMCCXXVIII in Roman numerals is 2228 in decimal.	> MMCCXXVIII in Roman numerals is 2228 in decimal.
> MMMDCCL in Roman numerals is 3750 in decimal.	> MMMDCCL in Roman numerals is 3750 in decimal.
> MMMDXIII in Roman numerals is 3523 in decimal.	> MMMDXIII in Roman numerals is 3523 in decimal.
> MCDXCII in Roman numerals is 1492 in decimal.	> MCDXCII in Roman numerals is 1492 in decimal.
> MMCDXXVIII in Roman numerals is 2428 in decimal.	> MMCDXXVIII in Roman numerals is 2428 in decimal.
> DCCCL in Roman numerals is 850 in decimal.	> DCCCL in Roman numerals is 850 in decimal.
> MCXLIX in Roman numerals is 1149 in decimal.	> MCXLIX in Roman numerals is 1149 in decimal.
> MDCLIX in Roman numerals is 1659 in decimal.	> MDCLIX in Roman numerals is 1659 in decimal.
> LXXII in Roman numerals is 72 in decimal.	> LXXII in Roman numerals is 72 in decimal.
> MMCMXXXI in Roman numerals is 2981 in decimal.	> MMCMXXXI in Roman numerals is 2981 in decimal.
> MMMDCCCLXXXVI in Roman numerals is 3886 in decimal.	> MMMDCCCLXXXVI in Roman numerals is 3886 in decimal.
> MMMCDXXXVIII in Roman numerals is 3438 in decimal.	> MMMCDXXXVIII in Roman numerals is 3438 in decimal.
> MMMDXII in Roman numerals is 3522 in decimal.	> MMMDXII in Roman numerals is 3522 in decimal.
> MMDCX in Roman numerals is 2610 in decimal.	> MMDCX in Roman numerals is 2610 in decimal.
> MDLIX in Roman numerals is 1559 in decimal.	> MDLIX in Roman numerals is 1559 in decimal.
> CLXVIII in Roman numerals is 168 in decimal.	> CLXVIII in Roman numerals is 168 in decimal.
> MMMCCCLXXIV in Roman numerals is 3374 in decimal.	> MMMCCCLXXIV in Roman numerals is 3374 in decimal.
> MCCCVI in Roman numerals is 1306 in decimal.	> MCCCVI in Roman numerals is 1306 in decimal.
> MCMXCIX in Roman numerals is 1999 in decimal.	> MCMXCIX in Roman numerals is 1999 in decimal.
> MMDXLIX in Roman numerals is 2549 in decimal.	> MMDXLIX in Roman numerals is 2549 in decimal.
> MCDLXIV in Roman numerals is 1464 in decimal.	> MCDLXIV in Roman numerals is 1464 in decimal.
> MDCCC in Roman numerals is 1800 in decimal.	> MDCCC in Roman numerals is 1800 in decimal.
> MMMCMLXXXI in Roman numerals is 3981 in decimal.	> MMMCMLXXXI in Roman numerals is 3981 in decimal.

```

> MMMDCCCLXXVI in Roman numerals is 3876 in decimal.
> MMMCXXVI in Roman numerals is 3126 in decimal.
> MMMDLXXIII in Roman numerals is 3573 in decimal.
> MCXIV in Roman numerals is 1114 in decimal.
> MMCCXXIV in Roman numerals is 2224 in decimal.
> MMMLXXXV in Roman numerals is 3085 in decimal.
> MMMCDXLVIII in Roman numerals is 3448 in decimal.
> MCMLXIX in Roman numerals is 1969 in decimal.
> MMCXXXXI in Roman numerals is 2931 in decimal.
> CCCXXX in Roman numerals is 330 in decimal.
> MLX in Roman numerals is 1060 in decimal.
> MMLXXVIII in Roman numerals is 2078 in decimal.
> MCMXCI in Roman numerals is 1991 in decimal.
> MCCCXLV in Roman numerals is 1365 in decimal.
> MMCMLXIII in Roman numerals is 2963 in decimal.
> MCDXIV in Roman numerals is 1414 in decimal.
> MDCCII in Roman numerals is 1702 in decimal.
> MMLXXII in Roman numerals is 2072 in decimal.
> MCCCCL in Roman numerals is 1350 in decimal.
> MDCCCXCIX in Roman numerals is 1899 in decimal.
> MMDCCCLXX in Roman numerals is 2770 in decimal.
> MMCDVIII in Roman numerals is 2408 in decimal.
> MMXXII in Roman numerals is 2022 in decimal.
> DCCCXCIX in Roman numerals is 899 in decimal.
> MMDLXXX in Roman numerals is 2580 in decimal.
> MMCDII in Roman numerals is 2402 in decimal.
> CMLXXIII in Roman numerals is 973 in decimal.
> MMMCCXVIII in Roman numerals is 3218 in decimal.
> MMMDCCXXXIX in Roman numerals is 3739 in decimal.
> MMMDCCCLXII in Roman numerals is 3862 in decimal.
> MMMDCCCXXV in Roman numerals is 3825 in decimal.
> MMDCCXXVII in Roman numerals is 2637 in decimal.
> MMDLXII in Roman numerals is 2562 in decimal.
> MCMXV in Roman numerals is 1915 in decimal.
> DCCCXIX in Roman numerals is 819 in decimal.
> MCXLIV in Roman numerals is 1144 in decimal.
> MMCCXXVII in Roman numerals is 2227 in decimal.
> MMMCDII in Roman numerals is 3402 in decimal.
> MLXXXVIII in Roman numerals is 1088 in decimal.
> MDLXXXVIII in Roman numerals is 1588 in decimal.
> MMMCDXXXIV in Roman numerals is 3434 in decimal.
> DXC in Roman numerals is 590 in decimal.
> DCCLXXXVI in Roman numerals is 786 in decimal.
> MDCLXX in Roman numerals is 1670 in decimal.
> MDCCCLX in Roman numerals is 1860 in decimal.
> MMCDLXXXII in Roman numerals is 2482 in decimal.
> MCDXL in Roman numerals is 1440 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test191

```

Test 192 (250 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====	=====
Your Output	Correct Output
=====	=====
	> XLIX in Roman numerals is 49 in decimal.
	> MDCCXLV in Roman numerals is 1745 in decimal.
	> MCCCLX in Roman numerals is 1260 in decimal.
	> MMDCCCLXIII in Roman numerals is 2863 in decimal.
	> MCXXI in Roman numerals is 1121 in decimal.
	> MMCXXVIII in Roman numerals is 2928 in decimal.
	> DCCCLII in Roman numerals is 852 in decimal.
	> MMMDLXXXI in Roman numerals is 3581 in decimal.
	> MMMDXXIV in Roman numerals is 3524 in decimal.
	> MMDCCCXCVII in Roman numerals is 2897 in decimal.
	> MMCDXLVII in Roman numerals is 2447 in decimal.
	> MMMDCCXXVII in Roman numerals is 3627 in decimal.
	> CXXXVIII in Roman numerals is 138 in decimal.
	> MDCCXCIV in Roman numerals is 1794 in decimal.
	> MMMLXII in Roman numerals is 3062 in decimal.
	> MMCCCLVIII in Roman numerals is 2358 in decimal.
	> DCCCXXXI in Roman numerals is 831 in decimal.
	> MDCCCLXXI in Roman numerals is 1871 in decimal.
	> LXXXII in Roman numerals is 82 in decimal.
	> MMMCCVI in Roman numerals is 3206 in decimal.
	> MCMXXX in Roman numerals is 1930 in decimal.
	> MMCXVIII in Roman numerals is 2118 in decimal.
	> MMMCMXXIV in Roman numerals is 3924 in decimal.
	> MMLXXXVII in Roman numerals is 2087 in decimal.
	> DCIII in Roman numerals is 603 in decimal.

```

> MMDXXII in Roman numerals is 2522 in decimal.
> MMCMXLVII in Roman numerals is 2947 in decimal.
> MMMCDXXXIX in Roman numerals is 3439 in decimal.
> MDXV in Roman numerals is 1515 in decimal.
> MMMCMXII in Roman numerals is 3912 in decimal.
> MCCCLXVII in Roman numerals is 1367 in decimal.
> MMMCCXCVIII in Roman numerals is 3298 in decimal.
> MMMLXXIX in Roman numerals is 3079 in decimal.
> MMMCDXXIX in Roman numerals is 3429 in decimal.
> MMDL in Roman numerals is 2550 in decimal.
> MMDCCCXCIV in Roman numerals is 2894 in decimal.
> MDCCXV in Roman numerals is 1715 in decimal.
> MCCCXXXVI in Roman numerals is 1336 in decimal.
> MMXXVI in Roman numerals is 2036 in decimal.
> MMMCCXXXIX in Roman numerals is 3239 in decimal.
> MMDXCIX in Roman numerals is 2599 in decimal.
> MCDXXXV in Roman numerals is 1435 in decimal.
> CMLIV in Roman numerals is 954 in decimal.
> CCCXLV in Roman numerals is 345 in decimal.
> DLXI in Roman numerals is 561 in decimal.
> CXLVII in Roman numerals is 147 in decimal.
> DCCXXIX in Roman numerals is 729 in decimal.
> MMMCMXIX in Roman numerals is 3919 in decimal.
> MMDCCCLXXXIX in Roman numerals is 2889 in decimal.
> MMCDLXXXIV in Roman numerals is 2484 in decimal.
> MCMI in Roman numerals is 1901 in decimal.
> MMMDCCXXXV in Roman numerals is 3635 in decimal.
> MMMCDXX in Roman numerals is 3420 in decimal.
> MLXXVII in Roman numerals is 1087 in decimal.
> MMLXXVII in Roman numerals is 2077 in decimal.
> DCCCLXIV in Roman numerals is 864 in decimal.
> MMDLXX in Roman numerals is 2570 in decimal.
> MMCXLIX in Roman numerals is 2149 in decimal.
> DCCCLX in Roman numerals is 860 in decimal.
> CV in Roman numerals is 105 in decimal.
> MMMCXLIX in Roman numerals is 3149 in decimal.
> MXIX in Roman numerals is 1019 in decimal.
> MMMDCCCXV in Roman numerals is 3815 in decimal.
> MMCCXX in Roman numerals is 2220 in decimal.
> MMMDCCXXI in Roman numerals is 3821 in decimal.
> DCCXCVIII in Roman numerals is 798 in decimal.
> MDCCX in Roman numerals is 1710 in decimal.
> MMMDXLVI in Roman numerals is 3546 in decimal.
> MMMDCCX in Roman numerals is 3710 in decimal.
> MLV in Roman numerals is 1055 in decimal.
> CCXC in Roman numerals is 290 in decimal.
> DCXXXVI in Roman numerals is 636 in decimal.
> MCCCCLIV in Roman numerals is 1354 in decimal.
> MMDCCXCVII in Roman numerals is 2797 in decimal.
> MMDCCXCXI in Roman numerals is 2891 in decimal.
> DLXXXIII in Roman numerals is 583 in decimal.
> MCLIX in Roman numerals is 1159 in decimal.
> MMMCCXXIII in Roman numerals is 3223 in decimal.
> DCLXIX in Roman numerals is 669 in decimal.
> MMMDCCCXXXIX in Roman numerals is 3839 in decimal.
> CMXLIX in Roman numerals is 949 in decimal.
> CCCXCVIII in Roman numerals is 398 in decimal.
> MMCMXXXII in Roman numerals is 3132 in decimal.
> DXXXIX in Roman numerals is 539 in decimal.
> MMCDLXXXV in Roman numerals is 2485 in decimal.
> MMMCCXCVI in Roman numerals is 3296 in decimal.
> MMCLXX in Roman numerals is 2170 in decimal.
> MCLX in Roman numerals is 1160 in decimal.
> MMCCCLIV in Roman numerals is 3254 in decimal.
> DCCCLXVII in Roman numerals is 867 in decimal.
> MDCCXL in Roman numerals is 1740 in decimal.
> MMMCDIII in Roman numerals is 3403 in decimal.
> MXXXVI in Roman numerals is 1036 in decimal.
> MMMDCLXXIV in Roman numerals is 3674 in decimal.
> MMDLXXXII in Roman numerals is 2582 in decimal.
> MMCDLXXXVI in Roman numerals is 3476 in decimal.
> CMXX in Roman numerals is 920 in decimal.
> MMXXVIII in Roman numerals is 3038 in decimal.
> MDXLIV in Roman numerals is 1544 in decimal.
> MMCDLXXI in Roman numerals is 2471 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14sl/assignments/ass1/tests/test192

```

Test 193 (260 random numbers) - failed

Differences between your output and correct output, marked with < | >:

=====

Your Output

=====

=====

Correct Output

=====

```
> MMMDCLIV in Roman numerals is 3654 in decimal.
> MMLXVIII in Roman numerals is 2068 in decimal.
> MMMDCCXXI in Roman numerals is 3721 in decimal.
> MMCCCLXXXIV in Roman numerals is 2284 in decimal.
> CLXVII in Roman numerals is 167 in decimal.
> MMII in Roman numerals is 2002 in decimal.
> DCLXXIII in Roman numerals is 673 in decimal.
> CCXXX in Roman numerals is 230 in decimal.
> MMCCII in Roman numerals is 2251 in decimal.
> D in Roman numerals is 500 in decimal.
> MMMDCCCLXIV in Roman numerals is 3764 in decimal.
> MMCDXX in Roman numerals is 2420 in decimal.
> MMDCCCLXXXIV in Roman numerals is 2784 in decimal.
> MDCCXCIII in Roman numerals is 1793 in decimal.
> CXIX in Roman numerals is 119 in decimal.
> MMMCCCLXIV in Roman numerals is 3364 in decimal.
> MMMCDXIII in Roman numerals is 3413 in decimal.
> CLXXIX in Roman numerals is 179 in decimal.
> MCDLIV in Roman numerals is 1454 in decimal.
> MCCCXCI in Roman numerals is 1391 in decimal.
> MMMDCCCLXXVII in Roman numerals is 3877 in decimal.
> MMMDCCCLXXX in Roman numerals is 3880 in decimal.
> DLXXIV in Roman numerals is 574 in decimal.
> MMCCXLI in Roman numerals is 3241 in decimal.
> MMCDLVII in Roman numerals is 2457 in decimal.
> MCDIII in Roman numerals is 1403 in decimal.
> MMCL in Roman numerals is 2150 in decimal.
> MMDCXIX in Roman numerals is 2619 in decimal.
> DIV in Roman numerals is 504 in decimal.
> MCXVII in Roman numerals is 1117 in decimal.
> MMMCDLXXXV in Roman numerals is 3485 in decimal.
> MMDCCCLXXX in Roman numerals is 2880 in decimal.
> MMMXXX in Roman numerals is 3030 in decimal.
> MMCDXCIII in Roman numerals is 2493 in decimal.
> MMCCXIV in Roman numerals is 2214 in decimal.
> MMCLXXIV in Roman numerals is 2174 in decimal.
> MMMDCCXVI in Roman numerals is 3716 in decimal.
> DCVIII in Roman numerals is 608 in decimal.
> DCCLXX in Roman numerals is 770 in decimal.
> MMMDCCCXXXVIII in Roman numerals is 3838 in decimal.
> MMMDCCCXCII in Roman numerals is 3892 in decimal.
> MDLIV in Roman numerals is 1554 in decimal.
> MMDCCXVII in Roman numerals is 2697 in decimal.
> MMCCIV in Roman numerals is 2255 in decimal.
> MMMXXXV in Roman numerals is 3035 in decimal.
> MMCCV in Roman numerals is 2205 in decimal.
> XXV in Roman numerals is 25 in decimal.
> MCXLI in Roman numerals is 1141 in decimal.
> MMCCCLXXX in Roman numerals is 2280 in decimal.
> MDCXCI in Roman numerals is 1691 in decimal.
> MMCDXXXIV in Roman numerals is 2434 in decimal.
> MMMCDLVIII in Roman numerals is 3458 in decimal.
> DCXCIX in Roman numerals is 699 in decimal.
> DCCXXXV in Roman numerals is 735 in decimal.
> MMMCCCLXI in Roman numerals is 3261 in decimal.
> MCMXC in Roman numerals is 1990 in decimal.
> MMCXXIII in Roman numerals is 2123 in decimal.
> MMDCCCXXIV in Roman numerals is 2824 in decimal.
> MMMDCCXCVI in Roman numerals is 3796 in decimal.
> CLVIII in Roman numerals is 158 in decimal.
> MMDLIX in Roman numerals is 2559 in decimal.
> DCCCI in Roman numerals is 801 in decimal.
> MMCCCLVII in Roman numerals is 2357 in decimal.
> MMDCCCXCIII in Roman numerals is 2893 in decimal.
> MMMDCCXV in Roman numerals is 3715 in decimal.
> MMCMXXXIV in Roman numerals is 2974 in decimal.
> MCCXXXII in Roman numerals is 1232 in decimal.
> MMMCMLXXXVI in Roman numerals is 3986 in decimal.
> MMDCXII in Roman numerals is 2612 in decimal.
> MMMXLIII in Roman numerals is 3043 in decimal.
> DCCXCVI in Roman numerals is 796 in decimal.
> MMMDLXXXIX in Roman numerals is 3589 in decimal.
> MCDXCVI in Roman numerals is 1496 in decimal.
> MDXI in Roman numerals is 1511 in decimal.
> MCDLXI in Roman numerals is 1461 in decimal.
> MDCCCLXI in Roman numerals is 1861 in decimal.
> CCCXCIII in Roman numerals is 393 in decimal.
> DCXXII in Roman numerals is 622 in decimal.
> MCMXXII in Roman numerals is 1922 in decimal.
> MMCLXVII in Roman numerals is 2167 in decimal.
> MMCDXII in Roman numerals is 2412 in decimal.
```



```

> MMDI in Roman numerals is 2501 in decimal.
> MMCCCXCIX in Roman numerals is 2399 in decimal.
> DLVII in Roman numerals is 557 in decimal.
> MDCXLVIII in Roman numerals is 1648 in decimal.
> MMDCCCLII in Roman numerals is 2752 in decimal.
> MMMCCLXXXVIII in Roman numerals is 3288 in decimal.
> MMCMLXXXVII in Roman numerals is 2987 in decimal.
> DCCV in Roman numerals is 705 in decimal.
> MMXXVII in Roman numerals is 2027 in decimal.
> MMCMLIX in Roman numerals is 2959 in decimal.
> MMMCCCXLVII in Roman numerals is 3347 in decimal.
> MDCCXXVII in Roman numerals is 1727 in decimal.
> MMMLXXVIII in Roman numerals is 3078 in decimal.
> MII in Roman numerals is 1002 in decimal.
> MDCVII in Roman numerals is 1607 in decimal.
> MMDCLXXII in Roman numerals is 2672 in decimal.
> MCCVII in Roman numerals is 1207 in decimal.
> MMCCCXIX in Roman numerals is 3319 in decimal.
> MDCCCLXIII in Roman numerals is 1863 in decimal.

```

...

You can repeat this test using these commands:

```
/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
```

```
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test193
```

Test 194 (270 random numbers) - failed

Differences between your output and correct output, marked with < | >:

Your Output	Correct Output
> CDXXIV in Roman numerals is 424 in decimal.	> CDXXIV in Roman numerals is 424 in decimal.
> MLXXIII in Roman numerals is 1073 in decimal.	> MLXXIII in Roman numerals is 1073 in decimal.
> MMMDCCLXIX in Roman numerals is 3769 in decimal.	> MMMDCCLXIX in Roman numerals is 3769 in decimal.
> MMMDCXXVI in Roman numerals is 3626 in decimal.	> MMMDCXXVI in Roman numerals is 3626 in decimal.
> MDCXXVIII in Roman numerals is 1628 in decimal.	> MDCXXVIII in Roman numerals is 1628 in decimal.
> DCCXVII in Roman numerals is 717 in decimal.	> DCCXVII in Roman numerals is 717 in decimal.
> MMXL in Roman numerals is 2040 in decimal.	> MMXL in Roman numerals is 2040 in decimal.
> MMCCCXCIX in Roman numerals is 3299 in decimal.	> MMCCCXCIX in Roman numerals is 3299 in decimal.
> MMCCCLXIII in Roman numerals is 2263 in decimal.	> MMCCCLXIII in Roman numerals is 2263 in decimal.
> MMMCDLXI in Roman numerals is 3461 in decimal.	> MMMCDLXI in Roman numerals is 3461 in decimal.
> MCCXXVII in Roman numerals is 1237 in decimal.	> MCCXXVII in Roman numerals is 1237 in decimal.
> MDXCIX in Roman numerals is 1599 in decimal.	> MDXCIX in Roman numerals is 1599 in decimal.
> MMMDCCCXIII in Roman numerals is 3813 in decimal.	> MMMDCCCXIII in Roman numerals is 3813 in decimal.
> MMMCCCLIII in Roman numerals is 3253 in decimal.	> MMMCCCLIII in Roman numerals is 3253 in decimal.
> MMDCCXLI in Roman numerals is 2741 in decimal.	> MMDCCXLI in Roman numerals is 2741 in decimal.
> MDLXXII in Roman numerals is 1582 in decimal.	> MDLXXII in Roman numerals is 1582 in decimal.
> MDCCVI in Roman numerals is 1706 in decimal.	> MDCCVI in Roman numerals is 1706 in decimal.
> MXXVI in Roman numerals is 1026 in decimal.	> MXXVI in Roman numerals is 1026 in decimal.
> MCDL in Roman numerals is 1450 in decimal.	> MCDL in Roman numerals is 1450 in decimal.
> MMMCCLXXII in Roman numerals is 3272 in decimal.	> MMMCCLXXII in Roman numerals is 3272 in decimal.
> DX in Roman numerals is 510 in decimal.	> DX in Roman numerals is 510 in decimal.
> MMDXCIX in Roman numerals is 2699 in decimal.	> MMDXCIX in Roman numerals is 2699 in decimal.
> MCCLIV in Roman numerals is 1254 in decimal.	> MCCLIV in Roman numerals is 1254 in decimal.
> MMDXCXVI in Roman numerals is 2696 in decimal.	> MMDXCXVI in Roman numerals is 2696 in decimal.
> MXC in Roman numerals is 1090 in decimal.	> MXC in Roman numerals is 1090 in decimal.
> MCXXXII in Roman numerals is 1132 in decimal.	> MCXXXII in Roman numerals is 1132 in decimal.
> MMCDLXXIX in Roman numerals is 2479 in decimal.	> MMCDLXXIX in Roman numerals is 2479 in decimal.
> MMMDCCCII in Roman numerals is 3802 in decimal.	> MMMDCCCII in Roman numerals is 3802 in decimal.
> MMMCCXIX in Roman numerals is 3219 in decimal.	> MMMCCXIX in Roman numerals is 3219 in decimal.
> DCCCLXXV in Roman numerals is 875 in decimal.	> DCCCLXXV in Roman numerals is 875 in decimal.
> MMDCCCXIX in Roman numerals is 2819 in decimal.	> MMDCCCXIX in Roman numerals is 2819 in decimal.
> MXVIII in Roman numerals is 1018 in decimal.	> MXVIII in Roman numerals is 1018 in decimal.
> MMMCMXVI in Roman numerals is 3916 in decimal.	> MMMCMXVI in Roman numerals is 3916 in decimal.
> MMMCCLXXXIX in Roman numerals is 3289 in decimal.	> MMMCCLXXXIX in Roman numerals is 3289 in decimal.
> CDLXXVIII in Roman numerals is 478 in decimal.	> CDLXXVIII in Roman numerals is 478 in decimal.
> CLXXVIII in Roman numerals is 178 in decimal.	> CLXXVIII in Roman numerals is 178 in decimal.
> MMDCCXXI in Roman numerals is 2721 in decimal.	> MMDCCXXI in Roman numerals is 2721 in decimal.
> CMLXXXVIII in Roman numerals is 988 in decimal.	> CMLXXXVIII in Roman numerals is 988 in decimal.
> MXXIV in Roman numerals is 1024 in decimal.	> MXXIV in Roman numerals is 1024 in decimal.
> CXLIII in Roman numerals is 143 in decimal.	> CXLIII in Roman numerals is 143 in decimal.
> MMDXX in Roman numerals is 2520 in decimal.	> MMDXX in Roman numerals is 2520 in decimal.
> CCLXVII in Roman numerals is 267 in decimal.	> CCLXVII in Roman numerals is 267 in decimal.
> MCCXXII in Roman numerals is 1222 in decimal.	> MCCXXII in Roman numerals is 1222 in decimal.
> MMCCDI in Roman numerals is 3401 in decimal.	> MMCCDI in Roman numerals is 3401 in decimal.
> DCCVIII in Roman numerals is 708 in decimal.	> DCCVIII in Roman numerals is 708 in decimal.
> MCDXXIX in Roman numerals is 1429 in decimal.	> MCDXXIX in Roman numerals is 1429 in decimal.
> MMMDCCCXLIII in Roman numerals is 3843 in decimal.	> MMMDCCCXLIII in Roman numerals is 3843 in decimal.
> MMMCMXXIII in Roman numerals is 3923 in decimal.	> MMMCMXXIII in Roman numerals is 3923 in decimal.
> MMMCXCI in Roman numerals is 3192 in decimal.	> MMMCXCI in Roman numerals is 3192 in decimal.
> MXXXIII in Roman numerals is 1033 in decimal.	> MXXXIII in Roman numerals is 1033 in decimal.
> MMMDCCXCIII in Roman numerals is 3793 in decimal.	> MMMDCCXCIII in Roman numerals is 3793 in decimal.
> MMCCCXLVIII in Roman numerals is 2348 in decimal.	> MMCCCXLVIII in Roman numerals is 2348 in decimal.
> MDLXXXIV in Roman numerals is 1584 in decimal.	> MDLXXXIV in Roman numerals is 1584 in decimal.

```

> MMDCXVI in Roman numerals is 2616 in decimal.
> MMCDXVIII in Roman numerals is 2418 in decimal.
> MMMDCCCXCV in Roman numerals is 3895 in decimal.
> MMMDCC in Roman numerals is 3700 in decimal.
> CMXII in Roman numerals is 912 in decimal.
> MDCCCLXXIX in Roman numerals is 1879 in decimal.
> MMCCCLIX in Roman numerals is 2259 in decimal.
> MMXCI in Roman numerals is 2091 in decimal.
> MCXLIII in Roman numerals is 1143 in decimal.
> MMCCXCII in Roman numerals is 2292 in decimal.
> DCXX in Roman numerals is 620 in decimal.
> MXIII in Roman numerals is 1013 in decimal.
> MDCCXIII in Roman numerals is 1713 in decimal.
> DCCLXXIII in Roman numerals is 773 in decimal.
> MMXXXIII in Roman numerals is 2033 in decimal.
> MMDCCCXVII in Roman numerals is 2817 in decimal.
> DCLXXXIX in Roman numerals is 689 in decimal.
> MCMXXXII in Roman numerals is 2932 in decimal.
> MDCCCXIII in Roman numerals is 1823 in decimal.
> MMMCDXXVII in Roman numerals is 3427 in decimal.
> DCXXIII in Roman numerals is 623 in decimal.
> MMCCXCVII in Roman numerals is 2297 in decimal.
> MDCLXXI in Roman numerals is 1681 in decimal.
> MCCLXXII in Roman numerals is 1272 in decimal.
> MDXLII in Roman numerals is 1542 in decimal.
> MDCCCLXXIII in Roman numerals is 1873 in decimal.
> DXXX in Roman numerals is 530 in decimal.
> MCCCXXXII in Roman numerals is 1382 in decimal.
> MCDXIII in Roman numerals is 1413 in decimal.
> MMMDCXXI in Roman numerals is 3621 in decimal.
> MMDXXXIV in Roman numerals is 2534 in decimal.
> MMDVIII in Roman numerals is 2508 in decimal.
> MDXXVIII in Roman numerals is 1528 in decimal.
> CCLXXIX in Roman numerals is 279 in decimal.
> MMMCLXV in Roman numerals is 3165 in decimal.
> MCXXXVIII in Roman numerals is 1138 in decimal.
> DCXIX in Roman numerals is 619 in decimal.
> DCCXXII in Roman numerals is 722 in decimal.
> LVI in Roman numerals is 56 in decimal.
> CDLXXXII in Roman numerals is 482 in decimal.
> CCCXXV in Roman numerals is 325 in decimal.
> CCCLXIX in Roman numerals is 369 in decimal.
> DCCXLIV in Roman numerals is 744 in decimal.
> MDCCCX in Roman numerals is 1810 in decimal.
> CLI in Roman numerals is 151 in decimal.
> MMDCV in Roman numerals is 2605 in decimal.
> CCCLXXV in Roman numerals is 375 in decimal.

```

...

You can repeat this test using these commands:

```

/home/cs1911/bin/dcc roman_to_decimal.c -o roman_to_decimal
./roman_to_decimal </home/cs1911/public_html/14s1/assignments/ass1/tests/test194

```

```

Test 195 ('MDXXVIII') - passed
Test 196 ('DXXI') - passed
Test 197 ('MMCDLXXIX') - passed
Test 198 ('MMMDCXCIII') - passed
Test 199 ('MMMCC CXCVI') - passed
Test 200 ('CDX                                     XIV') - passed
Test 201 ('DXCIX') - passed
Test 202 ('M') - passed
Test 203 ('CCXV') - passed
Test 204 ('MDCCXVIII') - passed
Test 205 ('MMDCCCLXXII') - passed
Test 206 ('M M D C C C X I X') - passed
Test 207 ('M           C           C           I           X') - passed
Test 208 ('LXX') - passed
Test 209 ('MMM           CCC           L           XX           V           III') - passed
Test 210 ('MCX           XX           II') - passed
Test 211 ('MDC') - passed
Test 212 ('mxlii') - passed
Test 213 ('dcclxxi') - passed
Test 214 ('mmcclix') - passed
Test 215 ('dcclxii') - passed
Test 216 ('mmmcclxii') - passed
Test 217 ('CmLV') - passed
Test 218 ('MDxLv') - passed
Test 219 ('MmCcLxIiI') - passed
Test 220 ('D c C c X L i V') - passed
Test 221 ('MD C CcL X xvII') - passed
Test 222 ('1') - passed
Test 223 ('42') - passed
Test 224 ('andrewt') - passed
Test 225 ('www.cse.unsw.edu.au') - passed

```

E-mail andrewt if you think the automatic testing of your program is incorrect.