<u>Results for q2.java testing:</u>

- 5 consecutive tests

1.
On input: java q2 100 400 10

Output:
000000000 Adder snake 16 6
000000033 Adder ladder 49 11
000000035 Player 4
000000081 Player 8
000000122 Player 13
000000159 Player 16 6
000000200 Player 9
000000236 Player 11
000000262 Player 15
000000285 Player 20
000000333 Player 26
000000364 Player 31
000000404 Player 32
000000426 Player 36
000000461 Player 41
000000507 Player 47
000000544 Player 52
000000594 Player 56
000000627 Player 58
000000673 Player 61
000000721 Player 66
000000750 Player 71
000000791 Player 76
000000813 Player 80
000000859 Player 83
000000890 Player 89
000000939 Player 93
000000960 Player 95
000000982 Player 97
000001029 Player 99
000001063 Player wins
000001165 Player 1
000001198 Player 4
000001222 Player 6
000001261 Player 11
000001290 Player 12

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000001337 Player 17
000001386 Player 21
000001416 Player 25
000001448 Player 31
000001476 Player 36
000001499 Player 42
000001533 Player 45
000001561 Player 49
000001584 Player 51
000001608 Player 54
000001650 Player 57
000001674 Player 60
000001703 Player 64
000001750 Player 68
000001797 Player 69
000001833 Player 72
000001865 Player 77
000001897 Player 82
000001933 Player 88
000001979 Player 91
000002015 Player 92
000002042 Player 95
000002071 Player 99
000002093 Player wins
000002193 Player 1
000002215 Player 5
000002257 Player 10
000002287 Player 11
000002319 Player 12
000002359 Player 18
000002387 Player 22
000002433 Player 26
000002476 Player 32
000002511 Player 34
000002549 Player 38
000002587 Player 43
000002623 Player 46
000002669 Player 49
000002702 Player 55
000002742 Player 58
000002783 Player 62
000002818 Player 65
000002860 Player 71
000002904 Player 76
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000002930 Player 78
000002956 Player 79
000002982 Player 80
000003025 Player 83
000003065 Player 87
000003097 Player 93
000003128 Player 97
000003173 Player wins
000003273 Player 1
000003316 Player 4
000003338 Player 9
000003382 Player 14
000003431 Player 17
000003470 Player 18
000003520 Player 22
000003560 Player 27
000003601 Player 33
000003628 Player 35
000003658 Player 41
000003691 Player 46
000003724 Player 50
000003753 Player 53
000003800 Player 56
000003834 Player 60
000003857 Player 65
000003886 Player 69
000003917 Player 71
000003950 Player 73
000003973 Player 77
000003995 Player 79
000004019 Player 85
000004069 Player 87
000004111 Player 93
000004154 Player 97
000004177 Player 99
000004213 Player wins
000004314 Player 3
000004351 Player 5
000004371 Player 7
000004420 Player 8
000004453 Player 11
000004481 Player 13
000004504 Player 19
000004543 Player 25

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000004585 Player 28
000004632 Player 32
000004655 Player 36
000004694 Player 40
000004694 Remover snake 16 6
000004742 Player 45
000004778 Player 49
000004827 Player 52
000004848 Player 54
000004891 Player 59
000004934 Player 65
000004980 Player 66
000005001 Player 72
000005031 Player 76
000005062 Player 79
000005101 Player 84
000005101 Adder snake 99 46
000005122 Player 86
000005156 Player 91
000005194 Player 93
000005217 Player 98
000005252 Player wins
000005353 Player 5
000005396 Player 8
000005428 Player 13
000005459 Player 15
000005504 Player 16
000005552 Player 22
000005575 Player 27
000005607 Player 31
000005649 Player 32
000005676 Player 33
000005698 Player 34
000005737 Player 37
000005758 Player 40
000005784 Player 45
000005806 Player 46
000005832 Player 52
000005866 Player 55
000005910 Player 59
000005958 Player 65
000005988 Player 68
000006033 Player 73
000006074 Player 79
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000006107 Player 85
000006148 Player 89
000006168 Player 94
000006208 Player 97
000006237 Player wins
000006338 Player 1
000006364 Player 4
000006398 Player 8
000006445 Player 9
000006476 Player 15
000006504 Player 21
000006528 Player 22
000006560 Player 26
000006591 Player 27
000006632 Player 33
000006668 Player 35
000006703 Player 36
000006748 Player 39
000006774 Player 41
000006820 Player 44
000006861 Player 45
000006887 Player 50
000006932 Player 56
000006966 Player 61
000007016 Player 62
000007064 Player 66
000007104 Player 72
000007140 Player 73
000007173 Player 74
000007208 Player 79
000007257 Player 82
000007292 Player 84
000007322 Player 85
000007370 Player 86
000007409 Player 88
000007457 Player 89
000007488 Player 93
000007528 Player 98
000007553 Player 99 46
000007589 Player 49
000007624 Player 54
000007673 Player 59
000007704 Player 65
000007729 Player 70
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000007775 Player 76
000007803 Player 79
000007844 Player 80
000007875 Player 86
000007917 Player 92
000007945 Player 98
000007982 Player 99 46
000008009 Player 48
000008039 Player 50
000008087 Player 54
000008130 Player 57
000008166 Player 59
000008189 Player 64
000008235 Player 70
000008273 Player 75
000008313 Player 81
000008358 Player 82
000008402 Player 84
000008438 Player 90
000008485 Player 95
000008517 Player 97
000008543 Player wins
000008644 Player 4
000008678 Player 7
000008716 Player 10
000008746 Player 15
000008794 Player 21
000008843 Player 23
000008889 Player 26
000008939 Player 28
000008960 Player 33
000008990 Player 39
000009016 Player 42
000009037 Player 47
000009067 Player 51
000009091 Player 57
000009131 Player 60
000009179 Player 66
000009201 Player 67
000009226 Player 68
000009254 Player 70
000009290 Player 72
000009333 Player 74
000009379 Player 77

000009406 Player 78
000009455 Player 81
000009498 Player 87
000009525 Player 90
000009560 Player 91
000009587 Player 95
000009631 Player 98
000009670 Player 99 46
000009711 Player 47
000009741 Player 50
000009783 Player 55
000009818 Player 58
000009843 Player 62
000009886 Player 66
000009908 Player 68
000009935 Player 69
000009966 Player 70
000009990 Player 76
000010029 Player 78

  2.
On input: java q2 100 40 10

Output:
000000000 Adder snake 16 6
000000033 Adder ladder 49 11
000000035 Player 3
000000080 Player 6
000000124 Player 12
000000148 Player 14
000000178 Player 15
000000220 Player 17
000000264 Player 19
000000293 Player 21
000000333 Player 26
000000382 Player 30
000000427 Player 33
000000476 Player 38
000000507 Player 40
000000544 Player 46
000000567 Player 50
000000613 Player 51
000000637 Player 57
000000665 Player 61

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000000697 Player 67
000000731 Player 69
000000776 Player 74
000000805 Player 79
000000832 Player 82
000000853 Player 85
000000886 Player 86
000000911 Player 88
000000943 Player 89
000000989 Player 91
000001037 Player 94
000001086 Player 99
000001115 Player wins
000001218 Player 4
000001241 Player 10
000001274 Player 16 6
000001334 Player 12
000001370 Player 15
000001390 Player 17
000001427 Player 21
000001456 Player 24
000001498 Player 28
000001526 Player 32
000001562 Player 35
000001600 Player 36
000001625 Player 40
000001662 Player 43
000001712 Player 45
000001757 Player 48
000001794 Player 49
000001817 Player 50
000001862 Player 52
000001901 Player 57
000001936 Player 61
000001958 Player 62
000001982 Player 64
000002012 Player 66
000002043 Player 71
000002093 Player 75
000002139 Player 76
000002173 Player 80
000002200 Player 82
000002230 Player 84
000002276 Player 86
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000002297 Player 90
000002320 Player 91
000002364 Player 97
000002387 Player wins
000002488 Player 2
000002530 Player 6
000002580 Player 11
000002620 Player 13
000002658 Player 14
000002683 Player 18
000002720 Player 20
000002762 Player 22
000002797 Player 28
000002838 Player 32
000002865 Player 33
000002909 Player 39
000002930 Player 43
000002963 Player 47
000002989 Player 49
000003029 Player 55
000003067 Player 61
000003092 Player 62
000003130 Player 67
000003153 Player 72
000003198 Player 77
000003242 Player 78
000003281 Player 80
000003331 Player 85
000003367 Player 88
000003404 Player 90
000003427 Player 94
000003475 Player 95
000003509 Player 98
000003545 Player wins
000003646 Player 2
000003688 Player 6
000003715 Player 7
000003761 Player 8
000003802 Player 11
000003825 Player 17
000003872 Player 18
000003895 Player 19
000003927 Player 22
000003948 Player 27

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000003977 Player 29
000004021 Player 30
000004069 Player 35
000004094 Player 36
000004142 Player 42
000004192 Player 48
000004230 Player 54
000004272 Player 60
000004300 Player 63
000004344 Player 66
000004389 Player 72
000004414 Player 73
000004439 Player 78
000004475 Player 79
000004514 Player 85
000004558 Player 89
000004588 Player 94
000004629 Player 96
000004669 Player 98
000004699 Remover snake 16 6
000004700 Player wins
000004700 Adder ladder 29 87
000004801 Player 4
000004829 Player 7
000004850 Player 11
000004894 Player 16
000004942 Player 21
000004978 Player 24
000005026 Player 29 87
000005047 Player 93
000005097 Player 97
000005124 Player wins
000005224 Player 4
000005272 Player 10
000005313 Player 13
000005353 Player 19
000005393 Player 21
000005416 Player 23
000005452 Player 28
000005499 Player 30
000005538 Player 33
000005560 Player 36
000005608 Player 40
000005648 Player 42
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000005689 Player 48
000005718 Player 51
000005751 Player 56
000005781 Player 57
000005803 Player 61
000005828 Player 66
000005857 Player 69
000005902 Player 74
000005937 Player 79
000005961 Player 84
000005996 Player 87
000006024 Player 88
000006069 Player 94
000006105 Player 96
000006126 Player wins
000006227 Player 2
000006247 Player 4
000006282 Player 10
000006329 Player 16
000006355 Player 22
000006394 Player 25
000006440 Player 27
000006481 Player 32
000006522 Player 36
000006566 Player 37
000006593 Player 43
000006616 Player 46
000006641 Player 51
000006670 Player 55
000006709 Player 59
000006737 Player 60
000006768 Player 61
000006810 Player 64
000006850 Player 67
000006872 Player 72
000006895 Player 77
000006936 Player 78
000006970 Player 80
000007001 Player 86
000007025 Player 89
000007055 Player 92
000007084 Player 97
000007104 Player wins
000007205 Player 1

000007246 Player 6
000007270 Player 8
000007319 Player 12
000007367 Player 15
000007392 Player 20
000007424 Player 21
000007450 Player 23
000007483 Player 25
000007530 Player 26
000007557 Player 30
000007598 Player 36
000007627 Player 40
000007662 Player 45
000007702 Player 49
000007728 Player 54
000007757 Player 56
000007786 Player 61
000007827 Player 64
000007875 Player 68
000007914 Player 71
000007952 Player 77
000007998 Player 81
000008030 Player 85
000008060 Player 88
000008086 Player 94
000008109 Player 95
000008150 Player 96
000008195 Player 99
000008218 Player wins
000008319 Player 6
000008346 Player 10
000008368 Player 14
000008401 Player 15
000008423 Player 21
000008469 Player 22
000008516 Player 25
000008543 Player 26
000008576 Player 30
000008616 Player 35
000008656 Player 41
000008688 Player 43
000008727 Player 44
000008754 Player 46
000008798 Player 52

000008831 Player 58
000008865 Player 59
000008898 Player 64
000008945 Player 65
000008966 Player 71
000009011 Player 74
000009042 Player 76
000009068 Player 82
000009097 Player 84
000009131 Player 88
000009155 Player 92
000009203 Player 95
000009251 Player 97
000009296 Player wins
000009396 Player 4
000009423 Player 8
000009472 Player 11
000009514 Player 17
000009548 Player 20
000009585 Player 24
000009632 Player 26
000009681 Player 31
000009723 Player 37
000009772 Player 43
000009794 Player 44
000009845 Player 46
000009867 Player 47
000009899 Player 51
000009921 Player 55
000009961 Player 61
000009993 Player 65
000010018 Player 66

   3.
On input: java q2 10 40 7

Output:

000000000 Adder snake 16 6
000000033 Adder ladder 49 11
000000036 Player 4
000000076 Player 8
000000118 Player 10
000000155 Player 13

000000201 Player 15
000000245 Player 17
000000287 Player 20
000000316 Player 26
000000343 Player 32
000000387 Player 36
000000430 Player 39
000000458 Player 45
000000502 Player 51
000000548 Player 52
000000587 Player 54
000000635 Player 59
000000684 Player 64
000000732 Player 68
000000772 Player 73
000000795 Player 75
000000832 Player 76
000000855 Player 80
000000904 Player 83
000000937 Player 89
000000978 Player 93
000001018 Player 97
000001058 Player 98
000001082 Player 99
000001112 Player wins
000001215 Player 5
000001237 Player 7
000001261 Player 11
000001296 Player 12
000001335 Player 16 6
000001388 Player 10
000001425 Player 14
000001456 Player 18
000001495 Player 21
000001541 Player 26
000001562 Player 28
000001594 Player 34
000001634 Player 39
000001673 Player 42
000001709 Player 45
000001744 Player 47
000001782 Player 50
000001819 Player 53
000001847 Player 59

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000001889 Player 65
000001936 Player 70
000001983 Player 74
000002005 Player 77
000002028 Player 82
000002062 Player 86
000002093 Player 87
000002122 Player 93
000002158 Player 94
000002186 Player 97
000002225 Player wins
000002325 Player 4
000002362 Player 6
000002400 Player 10
000002425 Player 16 6
000002459 Player 8
000002488 Player 11
000002519 Player 14
000002560 Player 18
000002596 Player 22
000002628 Player 24
000002656 Player 25
000002699 Player 29
000002749 Player 33
000002788 Player 34
000002814 Player 38
000002859 Player 43
000002903 Player 49
000002927 Player 50
000002966 Player 54
000003009 Player 56
000003038 Player 59
000003084 Player 63
000003121 Player 68
000003164 Player 72
000003184 Player 76
000003215 Player 79
000003260 Player 80
000003281 Player 84
000003329 Player 89
000003358 Player 94
000003407 Player 96
000003428 Player 99
000003450 Player wins
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000003551 Player 6
000003585 Player 11
000003619 Player 13
000003650 Player 17
000003699 Player 20
000003733 Player 26
000003767 Player 27
000003789 Player 32
000003816 Player 35
000003837 Player 41
000003870 Player 46
000003902 Player 51
000003947 Player 57
000003981 Player 60
000004015 Player 65
000004062 Player 68
000004105 Player 69
000004140 Player 70
000004185 Player 71
000004217 Player 74
000004254 Player 79
000004289 Player 81
000004338 Player 87
000004360 Player 89
000004386 Player 92
000004427 Player 94
000004470 Player 99
000004496 Player wins
000004596 Player 1
000004627 Player 3
000004657 Player 5
000004707 Player 8
000004730 Player 9
000004772 Remover snake 16 6
000004773 Player 12
000004819 Player 18
000004854 Player 20
000004893 Player 22
000004921 Player 27
000004945 Player 29
000004993 Player 30
000005031 Player 31
000005052 Player 32
000005076 Player 37
```

```
000005119 Player 39
000005164 Player 45
000005200 Player 50
000005200 Adder ladder 24 45
000005246 Player 52
000005276 Player 57
000005320 Player 61
000005348 Player 65
000005398 Player 68
000005419 Player 70
000005445 Player 72
000005475 Player 74
000005499 Player 77
000005539 Player 82
000005583 Player 88
000005620 Player 91
000005658 Player 92
000005682 Player 97
000005711 Player wins
000005811 Player 6
000005860 Player 7
000005881 Player 8
000005920 Player 14
000005950 Player 19
000005978 Player 23
000006017 Player 26
000006042 Player 27
000006072 Player 29
000006104 Player 32
000006146 Player 35
000006166 Player 37
000006215 Player 42
000006260 Player 46
000006299 Player 48
000006335 Player 51
000006367 Player 55
000006397 Player 58
000006430 Player 62
000006477 Player 66
000006518 Player 69
000006556 Player 75
000006597 Player 76
000006628 Player 79
000006655 Player 82
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000006682 Player 83
000006706 Player 84
000006726 Player 86
000006770 Player 87
000006814 Player 92
000006843 Player 97
000006889 Player 98
000006913 Player wins
000007014 Player 5

    4.
On input: java q2 50 50 5

Output:
000000000 Adder snake 16 6
000000032 Adder ladder 49 11
000000034 Player 5
000000061 Player 10
000000097 Player 14
000000132 Player 20
000000170 Player 26
000000196 Player 28
000000222 Player 31
000000264 Player 35
000000307 Player 36
000000353 Player 41
000000392 Player 42
000000441 Player 44
000000476 Player 48
000000506 Player 49
000000545 Player 50
000000591 Player 52
000000640 Player 55
000000687 Player 59
000000732 Player 65
000000778 Player 67
000000811 Player 70
000000851 Player 75
000000889 Player 77
000000922 Player 80
000000953 Player 82
000000975 Player 88
000001001 Player 93
000001028 Player 95

000001074 Player wins
000001177 Player 6
000001210 Player 10
000001254 Player 16 6
000001284 Player 12
000001324 Player 15
000001356 Player 16 6
000001405 Player 7
000001435 Player 13
000001477 Player 15
000001518 Player 20
000001563 Player 26
000001611 Player 32
000001639 Player 37
000001671 Player 43
000001703 Player 46
000001732 Player 47
000001760 Player 53
000001790 Player 54
000001832 Player 58
000001876 Player 61
000001920 Player 66
000001967 Player 68
000002003 Player 70
000002031 Player 74
000002070 Player 80
000002099 Player 84
000002146 Player 87
000002184 Player 90
000002208 Player 91
000002250 Player 95
000002291 Player 97
000002329 Player wins
000002429 Player 4
000002479 Player 9
000002527 Player 11
000002551 Player 15
000002576 Player 20
000002613 Player 23
000002648 Player 27
000002694 Player 29
000002742 Player 31
000002791 Player 34
000002834 Player 40

000002856 Player 46
000002901 Player 49
000002940 Player 52
000002978 Player 57
000003003 Player 62
000003036 Player 66
000003069 Player 67
000003111 Player 72
000003145 Player 75
000003165 Player 77
000003187 Player 83
000003232 Player 88
000003278 Player 90
000003326 Player 91
000003376 Player 94
000003404 Player wins
000003505 Player 4
000003530 Player 8
000003568 Player 12
000003618 Player 16 6
000003661 Player 8
000003684 Player 14
000003733 Player 15
000003777 Player 16 6
000003804 Player 8
000003833 Player 14
000003878 Player 15
000003928 Player 18
000003972 Player 23
000004005 Player 27
000004047 Player 32
000004080 Player 35
000004104 Player 41
000004128 Player 44
000004167 Player 50
000004195 Player 52
000004220 Player 56
000004244 Player 57
000004291 Player 59
000004315 Player 63
000004361 Player 66
000004397 Player 69
000004436 Player 75
000004463 Player 76

000004486 Player 77
000004528 Player 78
000004561 Player 79
000004588 Player 81
000004614 Player 86
000004639 Player 88
000004662 Player 89
000004691 Player 93
000004717 Player 98
000004766 Player wins
000004766 Remover snake 16 6
000004867 Player 1
000004889 Player 4
000004925 Player 5
000004973 Player 7
000005008 Player 11

    5.
On input: java q2 300 100 5

Output:
000000000 Adder snake 16 6
000000032 Adder ladder 49 11
000000034 Player 3
000000059 Player 5
000000095 Player 10
000000118 Player 12
000000150 Player 18
000000187 Player 21
000000237 Player 24
000000258 Player 29
000000301 Player 31
000000329 Player 34
000000350 Player 36
000000399 Player 39
000000424 Player 42
000000456 Player 46
000000484 Player 50
000000524 Player 53
000000570 Player 55
000000599 Player 58
000000630 Player 59
000000676 Player 60
000000712 Player 66

000000760 Player 68
000000783 Player 74
000000827 Player 77
000000850 Player 79
000000887 Player 80
000000927 Player 86
000000961 Player 89
000001011 Player 90
000001053 Player 96
000001076 Player wins
000001178 Player 4
000001217 Player 9
000001256 Player 12
000001298 Player 13
000001321 Player 16 6
000001357 Player 9
000001391 Player 11
000001414 Player 17
000001440 Player 20
000001485 Player 21
000001524 Player 22
000001562 Player 25
000001600 Player 26
000001643 Player 29
000001683 Player 34
000001715 Player 35
000001765 Player 41
000001809 Player 46
000001853 Player 51
000001878 Player 56
000001910 Player 57
000001958 Player 58
000001987 Player 60
000002032 Player 64
000002068 Player 69
000002089 Player 71
000002119 Player 74
000002153 Player 75
000002180 Player 76
000002220 Player 78
000002249 Player 82
000002270 Player 85
000002317 Player 91
000002349 Player 93

000002382 Player 97
000002409 Player wins
000002509 Player 1
000002546 Player 4
000002592 Player 6
000002622 Player 11
000002666 Player 13
000002703 Player 16 6
000002729 Player 11
000002762 Player 13
000002792 Player 15
000002840 Player 19
000002887 Player 24
000002920 Player 30
000002968 Player 36
000003005 Player 38
000003053 Player 40
000003091 Player 41
000003125 Player 43
000003159 Player 49
000003201 Player 55
000003247 Player 60
000003295 Player 65
000003333 Player 69
000003361 Player 71
000003402 Player 73
000003441 Player 75
000003462 Player 77
000003484 Player 78
000003525 Player 81
000003546 Player 86
000003576 Player 92
000003619 Player 96
000003655 Player 98
000003693 Player wins
000003794 Player 6
000003832 Player 9
000003866 Player 14
000003889 Player 15
000003913 Player 20
000003937 Player 24
000003981 Player 27
000004028 Player 29
000004060 Player 31

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000004098 Player 37
000004123 Player 39
000004152 Player 43
000004181 Player 47
000004213 Player 50
000004240 Player 53
000004267 Player 56
000004291 Player 62
000004325 Player 68
000004368 Player 70
000004398 Player 74
000004421 Player 75
000004470 Player 79
000004515 Player 83
000004545 Player 85
000004581 Player 90
000004604 Remover snake 16 6
000004605 Player 95
000004652 Player 99
000004693 Player wins
000004794 Player 3
000004834 Player 9
000004861 Player 12
000004897 Player 17
000004935 Player 18
000004959 Player 21
000004979 Player 27
000005014 Player 30
```