

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(n) time | O(1) space
4 function minNumberOfJumps(array) {
5   if (array.length === 1) return 0;
6   let jumps = 0;
7   let maxReach = array[0];
8   let steps = array[0];
9   for (let i = 1; i < array.length - 1; i++) {
10     maxReach = Math.max(maxReach, i + array[i]);
11     steps--;
12     if (steps === 0) {
13       jumps++;
14       steps = maxReach - i;
15     }
16   }
17   return jumps + 1;
18 }
19
20 exports.minNumberOfJumps = minNumberOfJumps;
21
```

Solution 1Solution 2Solution 3

```
1 function minNumberOfJumps(array) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.minNumberOfJumps = minNumberOfJumps;
7
```

Our Tests

Custom Output

Submit Code

```
1 // Test Case 1: Expected: 2, Actual: 2
2 // Test Case 2: Expected: 1, Actual: 1
3
4 // Test Case 3: Expected: 3, Actual: 3
5 // Test Case 4: Expected: 4, Actual: 4
6
7 // Test Case 5: Expected: 5, Actual: 5
8
9 // Test Case 6: Expected: 6, Actual: 6
10
11 // Test Case 7: Expected: 7, Actual: 7
12
13 // Test Case 8: Expected: 8, Actual: 8
14
15 // Test Case 9: Expected: 9, Actual: 9
16
17 // Test Case 10: Expected: 10, Actual: 10
18
19 // Test Case 11: Expected: 11, Actual: 11
20
21 // Test Case 12: Expected: 12, Actual: 12
22
23 // Test Case 13: Expected: 13, Actual: 13
24
25 // Test Case 14: Expected: 14, Actual: 14
26
27 // Test Case 15: Expected: 15, Actual: 15
28
29 // Test Case 16: Expected: 16, Actual: 16
30
31 // Test Case 17: Expected: 17, Actual: 17
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33 // Test Case 18: Expected: 18, Actual: 18
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35 // Test Case 19: Expected: 19, Actual: 19
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37 // Test Case 20: Expected: 20, Actual: 20
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39 // Test Case 21: Expected: 21, Actual: 21
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41 // Test Case 22: Expected: 22, Actual: 22
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43 // Test Case 23: Expected: 23, Actual: 23
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45 // Test Case 24: Expected: 24, Actual: 24
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47 // Test Case 25: Expected: 25, Actual: 25
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49 // Test Case 26: Expected: 26, Actual: 26
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51 // Test Case 27: Expected: 27, Actual: 27
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53 // Test Case 28: Expected: 28, Actual: 28
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55 // Test Case 29: Expected: 29, Actual: 29
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57 // Test Case 30: Expected: 30, Actual: 30
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59 // Test Case 31: Expected: 31, Actual: 31
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61 // Test Case 32: Expected: 32, Actual: 32
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63 // Test Case 33: Expected: 33, Actual: 33
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65 // Test Case 34: Expected: 34, Actual: 34
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67 // Test Case 35: Expected: 35, Actual: 35
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69 // Test Case 36: Expected: 36, Actual: 36
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71 // Test Case 37: Expected: 37, Actual: 37
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73 // Test Case 38: Expected: 38, Actual: 38
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75 // Test Case 39: Expected: 39, Actual: 39
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77 // Test Case 40: Expected: 40, Actual: 40
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79 // Test Case 41: Expected: 41, Actual: 41
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81 // Test Case 42: Expected: 42, Actual: 42
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83 // Test Case 43: Expected: 43, Actual: 43
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85 // Test Case 44: Expected: 44, Actual: 44
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87 // Test Case 45: Expected: 45, Actual: 45
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89 // Test Case 46: Expected: 46, Actual: 46
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91 // Test Case 47: Expected: 47, Actual: 47
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93 // Test Case 48: Expected: 48, Actual: 48
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95 // Test Case 49: Expected: 49, Actual: 49
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97 // Test Case 50: Expected: 50, Actual: 50
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99 // Test Case 51: Expected: 51, Actual: 51
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101 // Test Case 52: Expected: 52, Actual: 52
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103 // Test Case 53: Expected: 53, Actual: 53
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105 // Test Case 54: Expected: 54, Actual: 54
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107 // Test Case 55: Expected: 55, Actual: 55
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109 // Test Case 56: Expected: 56, Actual: 56
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111 // Test Case 57: Expected: 57, Actual: 57
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113 // Test Case 58: Expected: 58, Actual: 58
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115 // Test Case 59: Expected: 59, Actual: 59
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117 // Test Case 60: Expected: 60, Actual: 60
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119 // Test Case 61: Expected: 61, Actual: 61
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121 // Test Case 62: Expected: 62, Actual: 62
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123 // Test Case 63: Expected: 63, Actual: 63
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125 // Test Case 64: Expected: 64, Actual: 64
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127 // Test Case 65: Expected: 65, Actual: 65
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129 // Test Case 66: Expected: 66, Actual: 66
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131 // Test Case 67: Expected: 67, Actual: 67
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133 // Test Case 68: Expected: 68, Actual: 68
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135 // Test Case 69: Expected: 69, Actual: 69
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137 // Test Case 70: Expected: 70, Actual: 70
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139 // Test Case 71: Expected: 71, Actual: 71
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141 // Test Case 72: Expected: 72, Actual: 72
142
143 // Test Case 73: Expected: 73, Actual: 73
144
145 // Test Case 74: Expected: 74, Actual: 74
146
147 // Test Case 75: Expected: 75, Actual: 75
148
149 // Test Case 76: Expected: 76, Actual: 76
150
151 // Test Case 77: Expected: 77, Actual: 77
152
153 // Test Case 78: Expected: 78, Actual: 78
154
155 // Test Case 79: Expected: 79, Actual: 79
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157 // Test Case 80: Expected: 80, Actual: 80
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159 // Test Case 81: Expected: 81, Actual: 81
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161 // Test Case 82: Expected: 82, Actual: 82
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163 // Test Case 83: Expected: 83, Actual: 83
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165 // Test Case 84: Expected: 84, Actual: 84
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167 // Test Case 85: Expected: 85, Actual: 85
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169 // Test Case 86: Expected: 86, Actual: 86
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171 // Test Case 87: Expected: 87, Actual: 87
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173 // Test Case 88: Expected: 88, Actual: 88
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175 // Test Case 89: Expected: 89, Actual: 89
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177 // Test Case 90: Expected: 90, Actual: 90
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179 // Test Case 91: Expected: 91, Actual: 91
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181 // Test Case 92: Expected: 92, Actual: 92
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183 // Test Case 93: Expected: 93, Actual: 93
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185 // Test Case 94: Expected: 94, Actual: 94
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189 // Test Case 96: Expected: 96, Actual: 96
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191 // Test Case 97: Expected: 97, Actual: 97
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193 // Test Case 98: Expected: 98, Actual: 98
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195 // Test Case 99: Expected: 99, Actual: 99
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197 // Test Case 100: Expected: 100, Actual: 100
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199 // Test Case 101: Expected: 101, Actual: 101
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201 // Test Case 102: Expected: 102, Actual: 102
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203 // Test Case 103: Expected: 103, Actual: 103
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205 // Test Case 104: Expected: 104, Actual: 104
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207 // Test Case 105: Expected: 105, Actual: 105
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209 // Test Case 106: Expected: 106, Actual: 106
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211 // Test Case 107: Expected: 107, Actual: 107
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213 // Test Case 108: Expected: 108, Actual: 108
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215 // Test Case 109: Expected: 109, Actual: 109
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217 // Test Case 110: Expected: 110, Actual: 110
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219 // Test Case 111: Expected: 111, Actual: 111
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221 // Test Case 112: Expected: 112, Actual: 112
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223 // Test Case 113: Expected: 113, Actual: 113
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225 // Test Case 114: Expected: 114, Actual: 114
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227 // Test Case 115: Expected: 115, Actual: 115
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229 // Test Case 116: Expected: 116, Actual: 116
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237 // Test Case 120: Expected: 120, Actual: 120
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239 // Test Case 121: Expected: 121, Actual: 121
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241 // Test Case 122: Expected: 122, Actual: 122
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243 // Test Case 123: Expected: 123, Actual: 123
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245 // Test Case 124: Expected: 124, Actual: 124
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247 // Test Case 125: Expected: 125, Actual: 125
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249 // Test Case 126: Expected: 126, Actual: 126
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251 // Test Case 127: Expected: 127, Actual: 127
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253 // Test Case 128: Expected: 128, Actual: 128
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255 // Test Case 129: Expected: 129, Actual: 129
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257 // Test Case 130: Expected: 130, Actual: 130
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259 // Test Case 131: Expected: 131, Actual: 131
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261 // Test Case 132: Expected: 132, Actual: 132
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263 // Test Case 133: Expected: 133, Actual: 133
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265 // Test Case 134: Expected: 134, Actual: 134
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267 // Test Case 135: Expected: 135, Actual: 135
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269 // Test Case 136: Expected: 136, Actual: 136
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273 // Test Case 138: Expected: 138, Actual: 138
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279 // Test Case 141: Expected: 141, Actual: 141
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281 // Test Case 142: Expected: 142, Actual: 142
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283 // Test Case 143: Expected: 143, Actual: 143
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297 // Test Case 150: Expected: 150, Actual: 150
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315 // Test Case 159: Expected: 159, Actual: 159
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317 // Test Case 160: Expected: 160, Actual: 160
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351 // Test Case 177: Expected: 177, Actual: 177
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353 // Test Case 178: Expected: 178, Actual: 178
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355 // Test Case 179: Expected: 179, Actual: 179
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357 // Test Case 180: Expected: 180, Actual: 180
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363 // Test Case 183: Expected: 183, Actual: 183
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367 // Test Case 185: Expected: 185, Actual: 185
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369 // Test Case 186: Expected: 186, Actual: 186
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371 // Test Case 187: Expected: 187, Actual: 187
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375 // Test Case 189: Expected: 189, Actual: 189
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419 // Test Case 211: Expected: 211, Actual: 211
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421 // Test Case 212: Expected: 212, Actual: 212
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423 // Test Case 213: Expected: 213, Actual: 213
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427 // Test Case 215: Expected: 215, Actual: 215
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429 // Test Case 216: Expected: 216, Actual: 216
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431 // Test Case 217: Expected: 217, Actual: 217
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439 // Test Case 221: Expected: 221, Actual: 221
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441 // Test Case 222: Expected: 222, Actual: 222
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443 // Test Case 223: Expected: 223, Actual: 223
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445 // Test Case 224: Expected: 224, Actual: 224
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447 // Test Case 225: Expected: 225, Actual: 225
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449 // Test Case 226: Expected: 226, Actual: 226
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453 // Test Case 228: Expected: 228, Actual: 228
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457 // Test Case 230: Expected: 230, Actual: 230
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459 // Test Case 231: Expected: 231, Actual: 231
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461 // Test Case 232: Expected: 232, Actual: 232
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463 // Test Case 233: Expected: 233, Actual: 233
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465 // Test Case 234: Expected: 234, Actual: 234
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467 // Test Case 235: Expected: 235, Actual: 235
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469 // Test Case 236: Expected: 236, Actual: 236
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1 // Test Case 1: Expected: 2, Actual: 2
2 // Test Case 2: Expected: 1, Actual: 1
3
4 // Test Case 3: Expected: 3, Actual: 3
5 // Test Case 4: Expected: 4, Actual: 4
6
7 // Test Case 5: Expected: 5, Actual: 5
8
9 // Test Case 6: Expected: 6, Actual: 6
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11 // Test Case 7: Expected: 7, Actual: 7
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13 // Test Case 8: Expected: 8, Actual: 8
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15 // Test Case 9: Expected: 9, Actual: 9
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17 // Test Case 10: Expected: 10, Actual: 10
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19 // Test Case 11: Expected: 11, Actual: 11
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21 // Test Case 12: Expected: 12, Actual: 12
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23 // Test Case 13: Expected: 13, Actual: 13
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25 // Test Case 14: Expected: 14, Actual: 14
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27 // Test Case 15: Expected: 15, Actual: 15
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29 // Test Case 16: Expected: 16, Actual: 16
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31 // Test Case 17: Expected: 17, Actual: 17
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33 // Test Case 18: Expected: 18, Actual: 18
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35 // Test Case 19: Expected: 19, Actual: 19
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37 // Test Case 20: Expected: 20, Actual: 20
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39 // Test Case 21: Expected: 21, Actual: 21
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41 // Test Case 22: Expected: 22, Actual: 22
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43 // Test Case 23: Expected: 23, Actual: 23
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45 // Test Case 24: Expected: 24, Actual: 24
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47 // Test Case 25: Expected: 25, Actual: 25
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49 // Test Case 26: Expected: 26, Actual: 26
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51 // Test Case 27: Expected: 27, Actual: 27
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53 // Test Case 28: Expected: 28, Actual: 28
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55 // Test Case 29: Expected: 29, Actual: 29
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57 // Test Case 30: Expected: 30, Actual: 30
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59 // Test Case 31: Expected: 31, Actual: 31
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61 // Test Case 32: Expected: 32, Actual: 32
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63 // Test Case 33: Expected: 33, Actual: 33
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65 // Test Case 34: Expected: 34, Actual: 34
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67 // Test Case 35: Expected: 35, Actual: 35
68
69 // Test Case 36: Expected: 36, Actual: 36
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