

```

1  =====
2  passed test on empty List X & Y
3  =====
4  test case 1 of 990000
5  initial X: -6 -6 -1 1 1 2
6  initial Y: -8 -8 -8 -7 -2 -2 0 1 1 8
7  ought2b Z: -8 -8 -8 -7 -6 -6 -2 -2 -1 0 1 1 1 1 2 8
8  outcome Z: -8 -8 -8 -7 -6 -6 -2 -2 -1 0 1 1 1 1 2 8
9  =====
10 test case 2 of 990000
11 initial X: 1 6
12 initial Y:
13 ought2b Z: 1 6
14 outcome Z: 1 6
15 =====
16 test case 3 of 990000
17 initial X: -4 -3 -2 -2 3
18 initial Y:
19 ought2b Z: -4 -3 -2 -2 3
20 outcome Z: -4 -3 -2 -2 3
21 =====
22 test case 4 of 990000
23 initial X: -9 -5 -5 -4 -3 4 5 6 7 8
24 initial Y: -8 -7 -7 -6 0 0 5 5 7 7
25 ought2b Z: -9 -8 -7 -7 -6 -5 -5 -4 -3 0 0 4 5 5 5 6 7 7 7 8
26 outcome Z: -9 -8 -7 -7 -6 -5 -5 -4 -3 0 0 4 5 5 5 6 7 7 7 8
27 =====
28 test case 5 of 990000
29 initial X: -8 -6 -5 -4 5 6
30 initial Y: -4 7
31 ought2b Z: -8 -6 -5 -4 -4 5 6 7
32 outcome Z: -8 -6 -5 -4 -4 5 6 7
33 =====
34 test case 45000 of 990000
35 initial X:
36 initial Y: -9 1 7
37 ought2b Z: -9 1 7
38 outcome Z: -9 1 7
39 =====
40 test case 90000 of 990000
41 initial X: -1 1
42 initial Y: -7 -5 9
43 ought2b Z: -7 -5 -1 1 9
44 outcome Z: -7 -5 -1 1 9
45 =====
46 test case 135000 of 990000
47 initial X: -8 -6 -4 -3 3 3 4 9
48 initial Y:
49 ought2b Z: -8 -6 -4 -3 3 3 4 9
50 outcome Z: -8 -6 -4 -3 3 3 4 9
51 =====
52 test case 180000 of 990000
53 initial X: -9 -2 3 4
54 initial Y: -8 6
55 ought2b Z: -9 -8 -2 3 4 6
56 outcome Z: -9 -8 -2 3 4 6
57 =====
58 test case 225000 of 990000
59 initial X: 6
60 initial Y:
61 ought2b Z: 6
62 outcome Z: 6
63 =====
64 test case 270000 of 990000
65 initial X: -7 -4 -1 -1 -1 2 5 5
66 initial Y: -8 -5 3
67 ought2b Z: -8 -7 -5 -4 -1 -1 -1 2 3 5 5
68 outcome Z: -8 -7 -5 -4 -1 -1 -1 2 3 5 5
69 =====

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70 test case 315000 of 990000
71 initial X: 1
72 initial Y: -3 -2 -1 -1 0 3 5 7 8
73 ought2b Z: -3 -2 -1 -1 0 1 3 5 7 8
74 outcome Z: -3 -2 -1 -1 0 1 3 5 7 8
75 =====
76 test case 360000 of 990000
77 initial X:
78 initial Y: -8 -5 -2 0 5 8 9
79 ought2b Z: -8 -5 -2 0 5 8 9
80 outcome Z: -8 -5 -2 0 5 8 9
81 =====
82 test case 405000 of 990000
83 initial X: -9 -8 -6 -6 -4
84 initial Y: -7 -5 -3 -3 -2 1 4 9
85 ought2b Z: -9 -8 -7 -6 -6 -5 -4 -3 -3 -2 1 4 9
86 outcome Z: -9 -8 -7 -6 -6 -5 -4 -3 -3 -2 1 4 9
87 =====
88 test case 450000 of 990000
89 initial X: -1 1 4 6 9
90 initial Y: 1 8 8 9
91 ought2b Z: -1 1 1 4 6 8 8 9 9
92 outcome Z: -1 1 1 4 6 8 8 9 9
93 =====
94 test case 495000 of 990000
95 initial X: -7 -5 -1 -1 2 4 4 4 6 6
96 initial Y: -5 -5 0 2 7
97 ought2b Z: -7 -5 -5 -5 -1 -1 0 2 2 4 4 4 6 6 7
98 outcome Z: -7 -5 -5 -5 -1 -1 0 2 2 4 4 4 6 6 7
99 =====
100 test case 540000 of 990000
101 initial X: -1 -1 1 3 5 7 8
102 initial Y: -5 -5 -1 3 3 6 8 8 9
103 ought2b Z: -5 -5 -1 -1 -1 1 3 3 3 5 6 7 8 8 8 9
104 outcome Z: -5 -5 -1 -1 -1 1 3 3 3 5 6 7 8 8 8 9
105 =====
106 test case 585000 of 990000
107 initial X: -6 3 9
108 initial Y:
109 ought2b Z: -6 3 9
110 outcome Z: -6 3 9
111 =====
112 test case 630000 of 990000
113 initial X: -5 -4 3 6
114 initial Y: -4 -2 4
115 ought2b Z: -5 -4 -4 -2 3 4 6
116 outcome Z: -5 -4 -4 -2 3 4 6
117 =====
118 test case 675000 of 990000
119 initial X: -2 3
120 initial Y:
121 ought2b Z: -2 3
122 outcome Z: -2 3
123 =====
124 test case 720000 of 990000
125 initial X:
126 initial Y: -8 0
127 ought2b Z: -8 0
128 outcome Z: -8 0
129 =====
130 test case 765000 of 990000
131 initial X: -9 -9 -7 -5 3 4 6 6 8
132 initial Y: -9 -7 6 7 7 8 8
133 ought2b Z: -9 -9 -9 -7 -7 -5 3 4 6 6 6 7 7 8 8 8
134 outcome Z: -9 -9 -9 -7 -7 -5 3 4 6 6 6 7 7 8 8 8
135 =====
136 test case 810000 of 990000
137 initial X:
138 initial Y: -7 -3 0 0 3 5 7 9

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139 ought2b Z: -7 -3 0 0 3 5 7 9
140 outcome Z: -7 -3 0 0 3 5 7 9
141 =====
142 test case 855000 of 990000
143 initial X: -9 -7 -1 -1 0 3 9
144 initial Y: -8 -2 5 7 9
145 ought2b Z: -9 -8 -7 -2 -1 -1 0 3 5 7 9 9
146 outcome Z: -9 -8 -7 -2 -1 -1 0 3 5 7 9 9
147 =====
148 test case 900000 of 990000
149 initial X: -7 -6 -4 -1 0 8
150 initial Y: -9 -5 -4 -3 0 2 5 7 8
151 ought2b Z: -9 -7 -6 -5 -4 -4 -3 -1 0 0 2 5 7 8 8
152 outcome Z: -9 -7 -6 -5 -4 -4 -3 -1 0 0 2 5 7 8 8
153 =====
154 test case 945000 of 990000
155 initial X:
156 initial Y: -9 -7 -6 -5 -2 3 6 7 9
157 ought2b Z: -9 -7 -6 -5 -2 3 6 7 9
158 outcome Z: -9 -7 -6 -5 -2 3 6 7 9
159 =====
160 test case 990000 of 990000
161 initial X: -4 0 0 1 4 4 6 9
162 initial Y: -5 -3 1 1 2 2 6 6 6 9
163 ought2b Z: -5 -4 -3 0 0 1 1 1 2 2 4 4 6 6 6 6 9 9
164 outcome Z: -5 -4 -3 0 0 1 1 1 2 2 4 4 6 6 6 6 9 9
165 =====
166 test program terminated normally
167 =====
168
```