

Name: _____

ID: _____

CIS 455 Class Activity #3: Gene Rearrangement

Use ImprovedBreakpointReversalSort to sort this input sequence: 64583271

Step#:	reversal chosen	resulting sequence	Breakpoints remaining
0		0 6 45 8 32 7 1 9	7
1	0 6 45 8 32 7 1 9	0 6 45 8 321 7 9	6
2	0 6 45 8 321 7 9	0 654 8 321 7 9	5
3	0 654 8 321 7 9	0123 8 4567 9	3
4	0123 8 4567 9	0123 87654 9	2
5	0123 87654 9	12345678	0
6			
7			
8			
9			
10			
11			