

1st as pivot

S1: (157) 110 147 122 111 149 151 141 123 112 117 133
pivot

S2: (133) 110 147 122 111 149 151 141 123 112 117 157
↑ ↑ ↓

S3: (133) 110 117 122 111 149 151 141 123 112 147 157
↑ ↑ ↑ ↑ ↓

S4: (133) 110 117 122 111 112 151 141 123 149 147 157
↑ ↑ ↑ ↓

S5: (133) 110 117 122 111 112 123 141 151 149 147 157
↑ ↑ ↓

S6: (123) 110 117 122 111 112
↑ ↑ ↑ ↑

S7: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S8: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S9: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S10: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S11: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S12: 112 110 117 122 111 123
↑ ↑ ↑ ↑

S13: 112 110 117 122 111 123
↑ ↑ ↑ ↑

Lost as Pivot

S1: 157 110 147 122 111 149 151 141 123 117 (133)
↑ ↓

S2: 117 110 147 122 111 149 151 141 123 112 157 (133)
↑ ↑ ↓

S3: 117 110 112 122 111 149 151 141 123 147 157 (133)
↑ ↑ ↑ ↓

S4: 117 110 112 122 111 123 151 141 149 147 157 (133)
↑ ↑ ↑ ↓

S5: 117 110 112 122 111 123 (133) 141 149 147 157 151
↑

$117 \ 110 \ 112 \ 123 \ 111 \ (123)$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S6: $117 \ 110 \ 112 \ 122 \ (111)$
S7: $110 \ 117 \ 112 \ 122 \ (111)$
S8: $110 \ 112 \ 117 \ 122 \ (111)$
 $\uparrow \ \uparrow \ \uparrow$
S9: $110 \ 111 \ 112 \ 122 \ 117$
 $110 \ 111, \ 122 \ 117$

$141 \ 149 \ 147 \ 157 \ (151)$
 $\uparrow \ \uparrow \ \uparrow$
 $141 \ 149 \ 147 \ 157$
 $\uparrow \ \uparrow \ \uparrow$
 $141 \ 147 \ 149 \ 157$

Sorted: $110 \ 111 \ 112 \ 117 \ 122 \ 133 \ 141 \ 147 \ 149 \ 151 \ 157$

Random Element

S1: $151 \ 110 \ 147 \ 122 \ 111 \ 149 \ 151 \ (123) \ 112 \ 117 \ 133$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S2: $117 \ 110 \ 147 \ 122 \ 111 \ 149 \ 151 \ 141 \ (123) \ 112 \ 157 \ 133$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S3: $117 \ 110 \ 112 \ 122 \ 111 \ 149 \ 151 \ 141 \ (123) \ 147 \ 157 \ 133$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S4: $117 \ 110 \ 112 \ 122 \ 111 \ 123 \ 151 \ 141 \ 149 \ 147 \ 157 \ 133$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S5: $117 \ 110 \ (112) \ 122 \ 111 \ 151 \ 141 \ 149 \ (147) \ 157 \ 133$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
S6: $111 \ 110 \ (112) \ 122 \ 117 \ 133 \ 141 \ 149 \ (147) \ 157 \ 151$
 $\uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow \ \uparrow$
 $111 \ 110 \ 122 \ 117$
 $117 \ 122$
 $133 \ 141 \ 149 \ 157 \ 151$
 $133 \ 141 \ 147 \ 149 \ 157 \ 151$
 $133 \ 141 \ 149 \ 157 \ 151$

Sorted: $110 \ 111 \ 112 \ 117 \ 122 \ 123 \ 133 \ 141 \ 147 \ 149 \ 151 \ 157$