Unsorted Dictionary

len	value
6	Andrea
7	William
4	Andy
4	Matt

pos
1
0
2
3
2
2
2
2

vs.

offset
7
0
13
17
13
13
13
13

Sorted Dictionary

len	value
6	Andrea
4	Andy
4	Matt
7	William

pos
3
0
1
2
1
1
1
1

vs.

offset
14
0
7
11
7
7
7
7