2039432531946's 64-bit unsigned long representation:

0b0000	00000000000000	000000100000110	010000111001011	001100000000000

Starting from the least significant bits, continue to fetch 15 bits into `buffer` until we encounter a zero chunk.

Write buffer `int16_t buffer[5]`

		000000100000110	0010000111001011	**1**001100000000000

Set the sign bit of the last element in `buffer` to **1** as the flag for end-of-encoding.
Write the retrieved chunks into diff-index table.

Diff-index table

262	**8541**	(**1**)**6144**
000000100000110	0010000111001011	**1**001100000000000