**Question 2**

Consider the following inverted index:

(755, 15), (1065, 31), (1280, 32), (2100, 12)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Initial Value Given | 755 | | 15 | 1065 | | 31 | 1280 | | 32 | 2100 | | 12 |
| D-Gapping | 755 | | 15 | 310 | | 31 | 215 | | 32 | 820 | | 12 |
| Binary Representation | ‭001011110011‬ | | 1111 | 100110110 | | 11111 | 11010111 | | 100000 | 1100110100 | | 1100 |
| After VarInt | 00000101 | 11110011‬ | 10001111 | 00000010 | 10110110 | 10011111 | 00000001 | 11010111 | 10100000 | 00000110 | 10110100 | 10001100 |

Compress using VarInt method

**Solution:**