3 7 9 5

1st ← 0011 0111 1001 0101

2nd ← 0100111011110010 01

3rd ← 0101001101111001

2nd 1101111001010100

3rd 0111100101010000

```
  0 0  11  0111  1001  0101
  1 1  01  1110  0101  0100
+ 0 1  11  1001  0101  0000
① 1 0 0 0  1 1 1 1  0 0 1 1  1 0 0 1
```

1st Comp: 1000 1111 0011 1001 +1 1010

1st Comp: 0 0 1 1 1 0 0 0 0 1 1 0 0 0 1 1 0

Sum: 1000 1111 0011 1001
+ 1
1000 1111 0011 1010

1st Comp: 1111 0000 1100 0101

(b) The receiver do follow step:

- Add all bytes including checksum
- If contain all 1st the error detect
- 1 or more 0 than segment contain no error.

(d) Yes, In some case. fore ex: if the last digit of 1st word is converted to 0 & last digit of the ~~sec~~ second word is converted to 1.

(c) No, its not possible