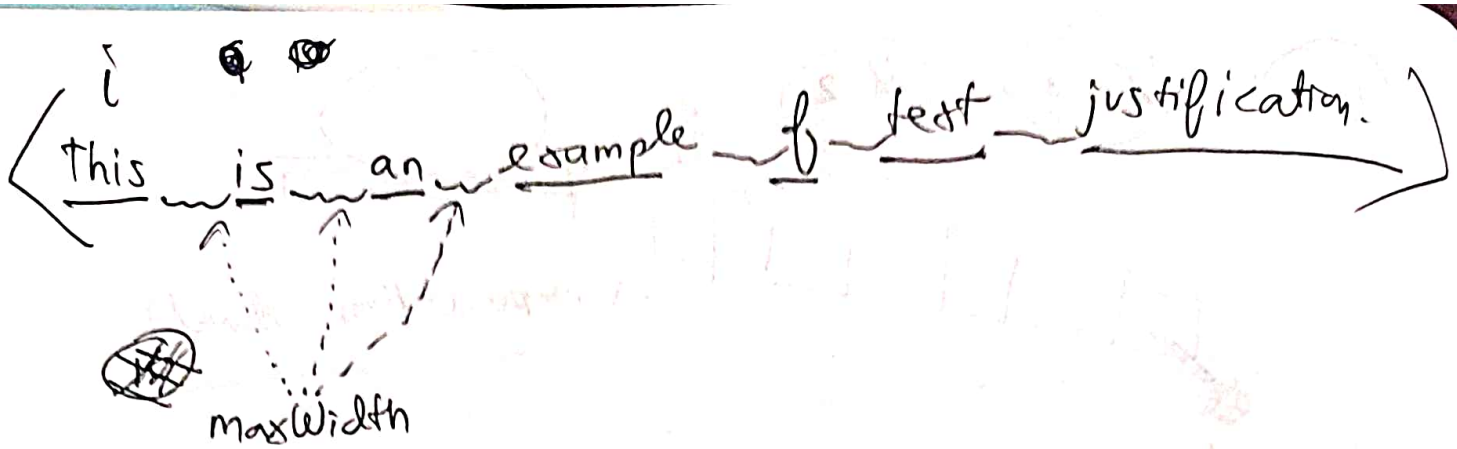


```
while (i<N){
    // check how many words you can add properly
    j=i; charsTillNow=0; wordsTillNow=0;
    while (j<N){
        charsTillNow += words[j].length();
        wordsTillNow++;
        if ((charsTillNow + wordsTillNow-1) <= maxWidth){
            charsTillNow -= words[j].length();
            wordsTillNow--;
        }
        else{
            j++;
        }
    }
    if (j==N) -> all words in one space {
        handle separately.
    }
    wordsTillNow ->
    charsTillNow ->
    blanks = wordsTillNow-1;
    charLeftToFill = maxWidth-charsTillNow
```

if (blanks == 0) {

fill all the spaces in the end.

}

$\frac{10}{3}$ = 3, 3, 4, 1

4 3 3

$\frac{15}{4}$ → 3 3 3

3 → 20 → 5 → 5/3

Science 7 2 is 2 2 what 4 1 we 2

2 2 1

5/3 → 1

How to divide space evenly?

(10/3) ⇒ 3, 3, 4,

22/3

gap/blanks ⇒ div

1 1 1 1

gap % blanks → count

div + count > 0 ? 1 : 0;

count--;

div + count > 0 ? 1 : 0;

count--;