Typesetting

It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness, it was the epoch of belief, it was the epoch of incredulity, it was the season of Light, it was the season of Darkness, it was the spring of hope, it was the winter of_ despair, we had everything before us, we had nothing before us, we were all going direct to heaven, we were all going direct the other way - in short, the period was so far like the present period, that some of its noisiest authorities insisted on its being received, for good or for evil, in the superlative degree of comparison only.

WHATABOUT $S_{i,j}$

 $S_{i,j}$

 (w_i)

slack when line starts with w_i and ends w_j

WHATABOUT Si.

 $S_{i,j}$

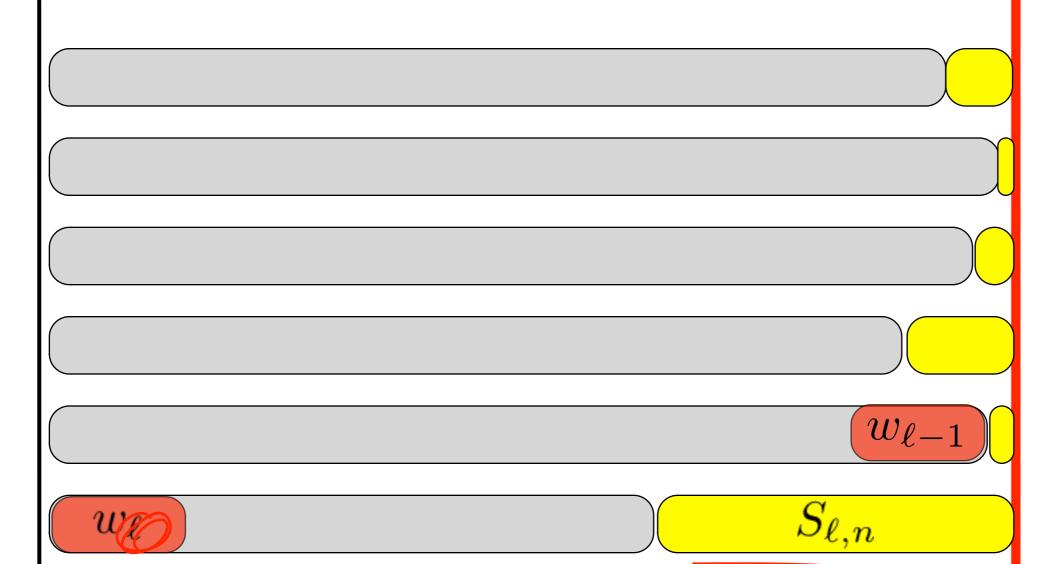
 (w_i)

slack when line starts with w_i and ends w_j

$$S_{i,j} = \begin{cases} M - c_i & j = i \\ S_{i,j-1} - c_j - 1 & i < j \end{cases}$$

$$\infty \text{ if } S_{i,j} < 0$$

IMAGINE OPTIMAL SOLUTION



last line

fwoll is w_{ℓ}

slack when line starts with w_{ℓ}

$$BEST_n = BEST_{\ell-1} + S_{\ell,n}^2$$

WHICH WORD IS FWOLL?



 $BEST_{n-1} + S_{n,n}^2$

TYPESETTING ALGORITHM

- 2 compute BEST₀, BEST₁, ..., BEST_n
 using
 BEST₀ = 0
 BEST₁ + $S_{1,n}^2$ BEST₁ + $S_{2,n}^2$...
 BEST_{n-1} + $S_{n,n}^2$
- 3 keep track of choices & backtrack to determine line breaks