Let
$$x = |P|, y = |T|$$

How many alignments are possible given x and y?

$$y - x + 1$$



Let
$$x = |P|, y = |T|$$

What's the greatest # character comparisons possible?

$$x(y - x + 1)$$

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$$x = |P|, y = |T|$$

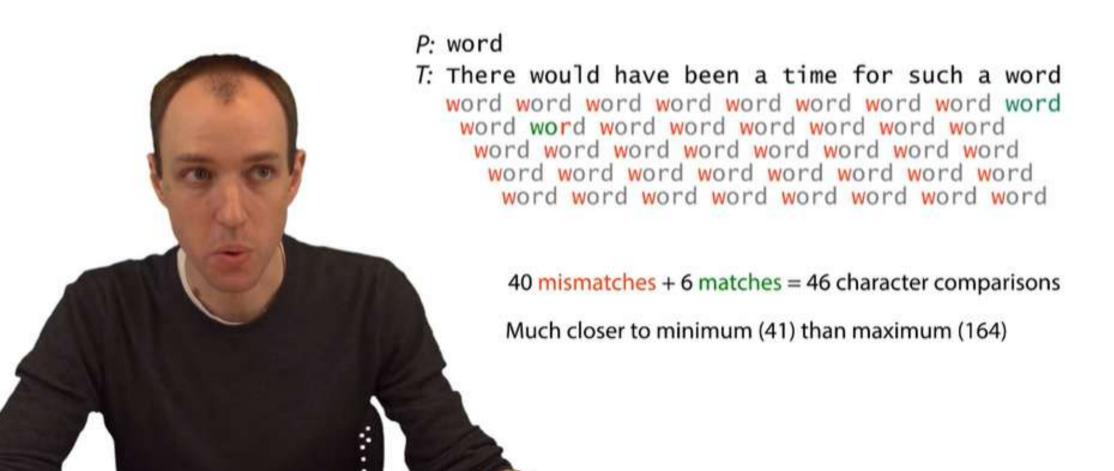
What's the greatest # character comparisons possible?

$$x(y - x + 1)$$

P: aaaa

Well the worst case scenario looks like this.

How many character comparisons in this example?



Let
$$x = |P|, y = |T|$$

What's the **least** # character comparisons possible?

$$y - x + 1$$

Let
$$x = |P|, y = |T|$$

What's the **least** # character comparisons possible?

$$y - x + 1$$

P: abbb

abbb abbb abbb abbb abbb abbb abbb

So the first character of the pattern is a, and yet the text consists of all b's.