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Big O Simplification and Rules

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Keywords/Questions:	Notes:					
	Rule 1: Always care about the worst					
	Rule 2: Remove Constants*					
	Rule 3: Different inputs should have different variables.**2					
	(min), O(m*n) in for nested steps					
	Rule4. Drop non-dominant Terms*3					
	*3 We care about the most important term					
Summary:						

```
Rule 1:
What is the worst cose in a loop? How far do
we take the algorithm? What is the best?
Role 2:
 \left(\right)\left(n^2+2\right) = 0 \left(n^2\right)
Rule 3:
function example (box) {
                           => B(a+b)
```

$$Rule 4:$$

$$O(n+n^2) => O(n^2)$$