

# Tests unitaires vous dites ?

**TEDxUSMB**  
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Oak Ridge National Laboratory <https://www.flickr.com/photos/oakridgelab/31430044597>  
Stroppa/CEA / Date : 29 juillet 2011 <http://www.cea.fr/multimedia/Pages/galeries/defense/Tera-100.aspx>



<https://pixabay.com/illustrations/glasses-fashion-eyewear-sunglasses-4299941/>  
<https://pixabay.com/photos/sculpture-bronze-figure-aristotle-2298848/>



[https://commons.wikimedia.org/wiki/File:Hanford\\_N\\_Reactor\\_adjusted.jpg](https://commons.wikimedia.org/wiki/File:Hanford_N_Reactor_adjusted.jpg)

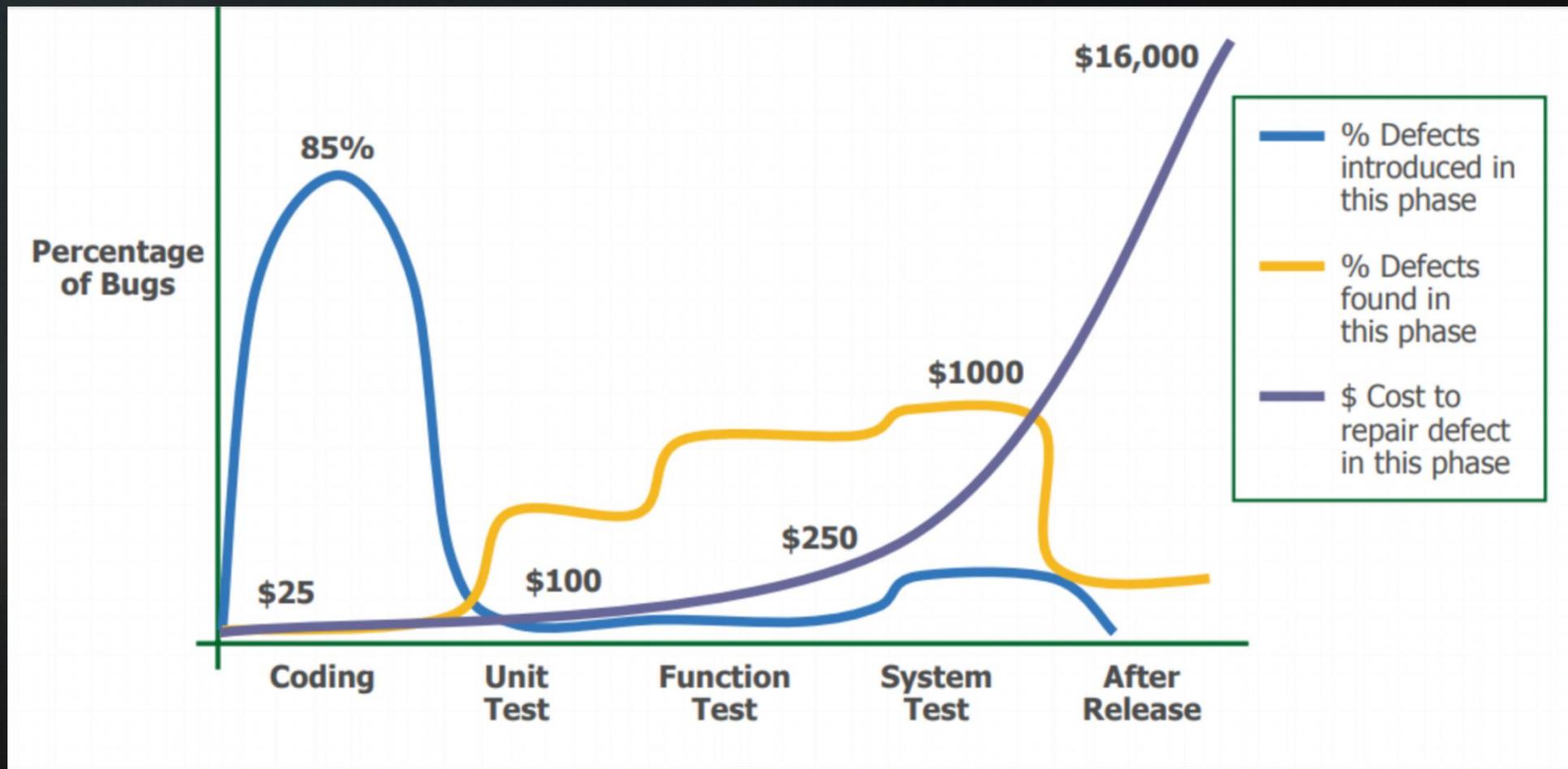


# 55 ans plus tard....

Jusqu'en **2046**  
et  
**~300-600**  
**milliards de \$**



## Capers Jones, 1996

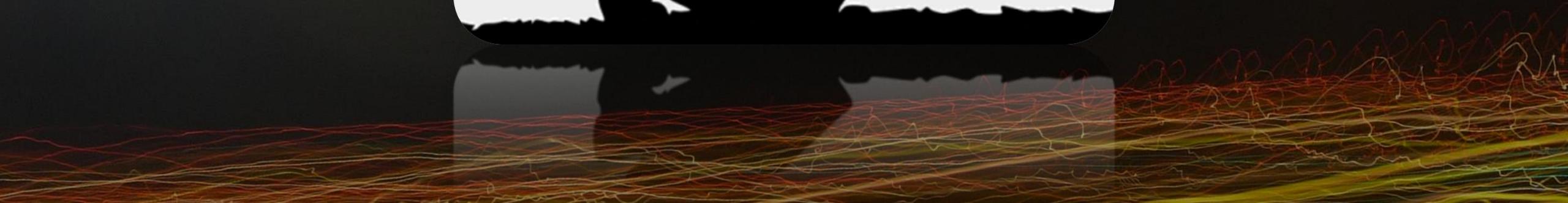


Source: Applied Software Measurement, Capers Jones, 1996

# Si on était ingénieur auto



# Méthode 1 : Aucun tests



# Methode 2 : crash test



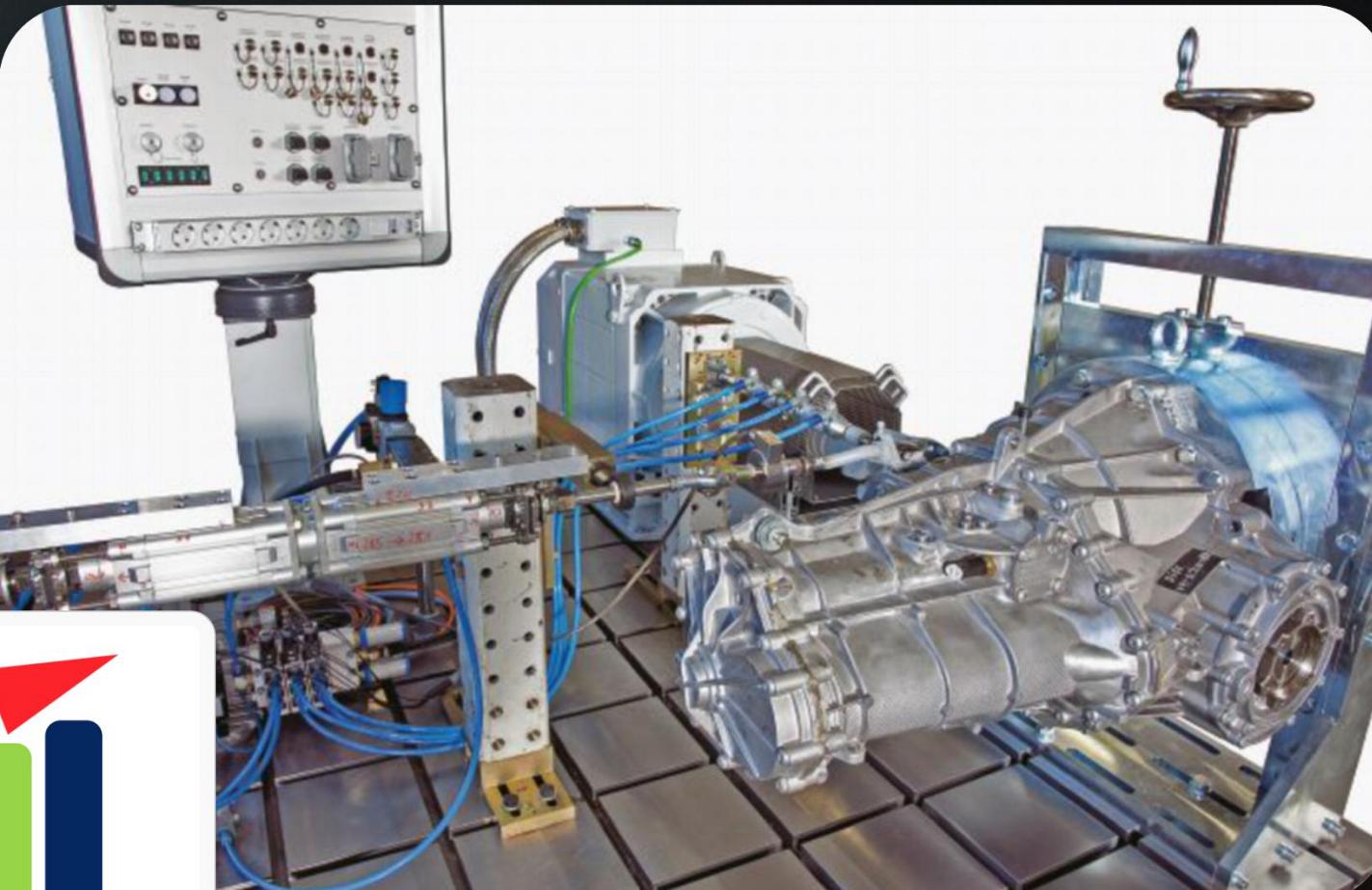
# Analyse d'un bug ???



<http://pngimg.com/download/10020>

<https://www.automobile-propre.com/crash-test-renault-zoe-securite/>

# Méthode 3 : Tests unitaires



<https://pixabay.com/illustrations/ascending-graph-bar-graphs-progress-1173935/>

<https://www.techbriefs.com/component/content/article/tb/features/application-briefs/13978>

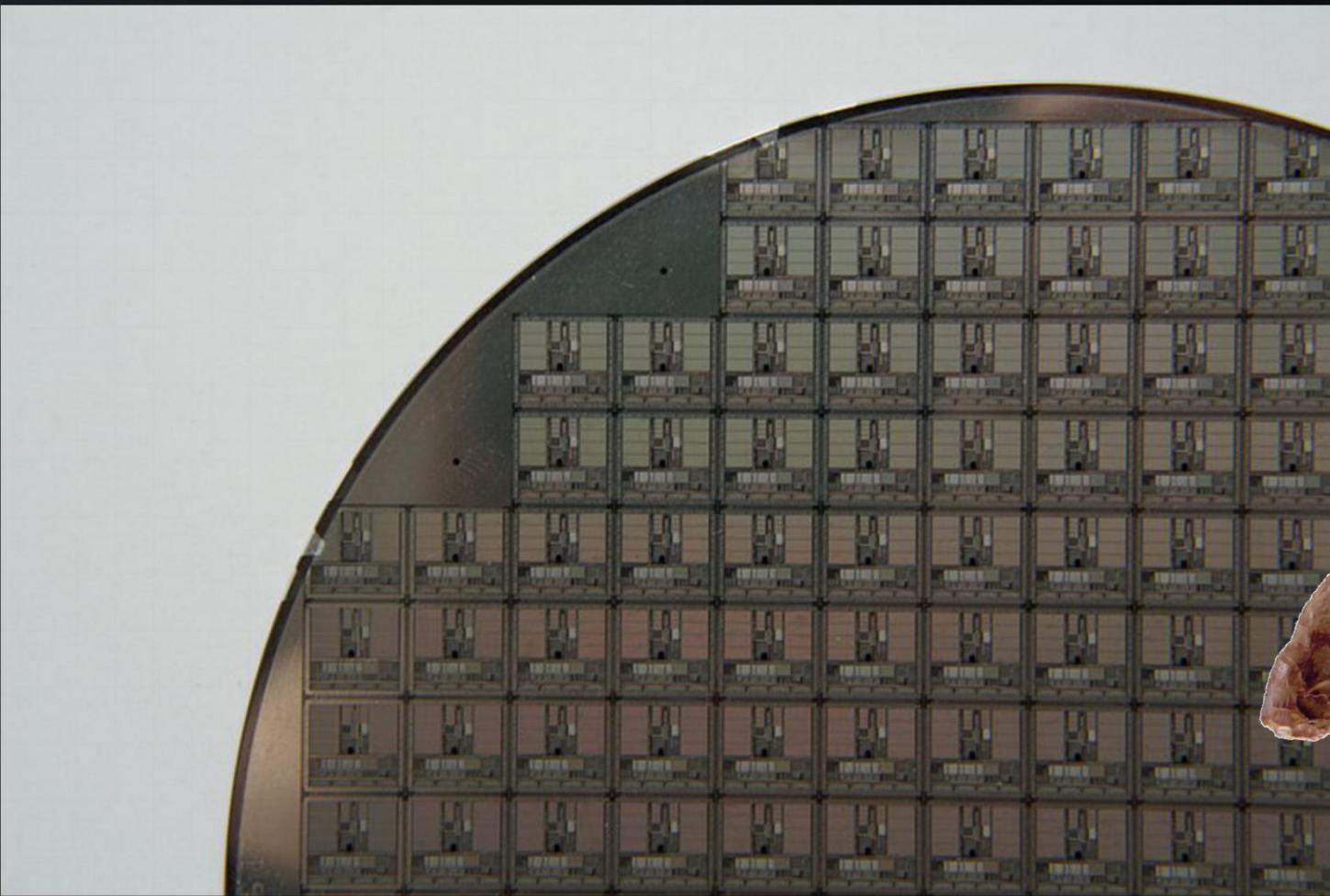


<https://www.indiamart.com/proddetail/automotive-spur-gear-19598784273.html>  
[https://en.wikipedia.org/wiki/Spiral\\_bevel\\_gear#/media/File:Gear-kegelzahnrad.svg](https://en.wikipedia.org/wiki/Spiral_bevel_gear#/media/File:Gear-kegelzahnrad.svg)



<https://pxhere.com/fr/photo/1566433>

<https://pixabay.com/photos/race-marathon-runners-athletes-932254/>



[https://fr.m.wikipedia.org/wiki/Fichier:Microprocesseurs\\_sur\\_une\\_tranche\\_de\\_silicium.JPG](https://fr.m.wikipedia.org/wiki/Fichier:Microprocesseurs_sur_une_tranche_de_silicium.JPG)

# Discipline

- “C'est un **POC**”~~X~~
- Cette fonction est **trop courte**~~X~~
- Cette fonction est **trop complexe**~~X~~



## Codes possibles

Testable  
--KISS--



Faisable



Atteignable



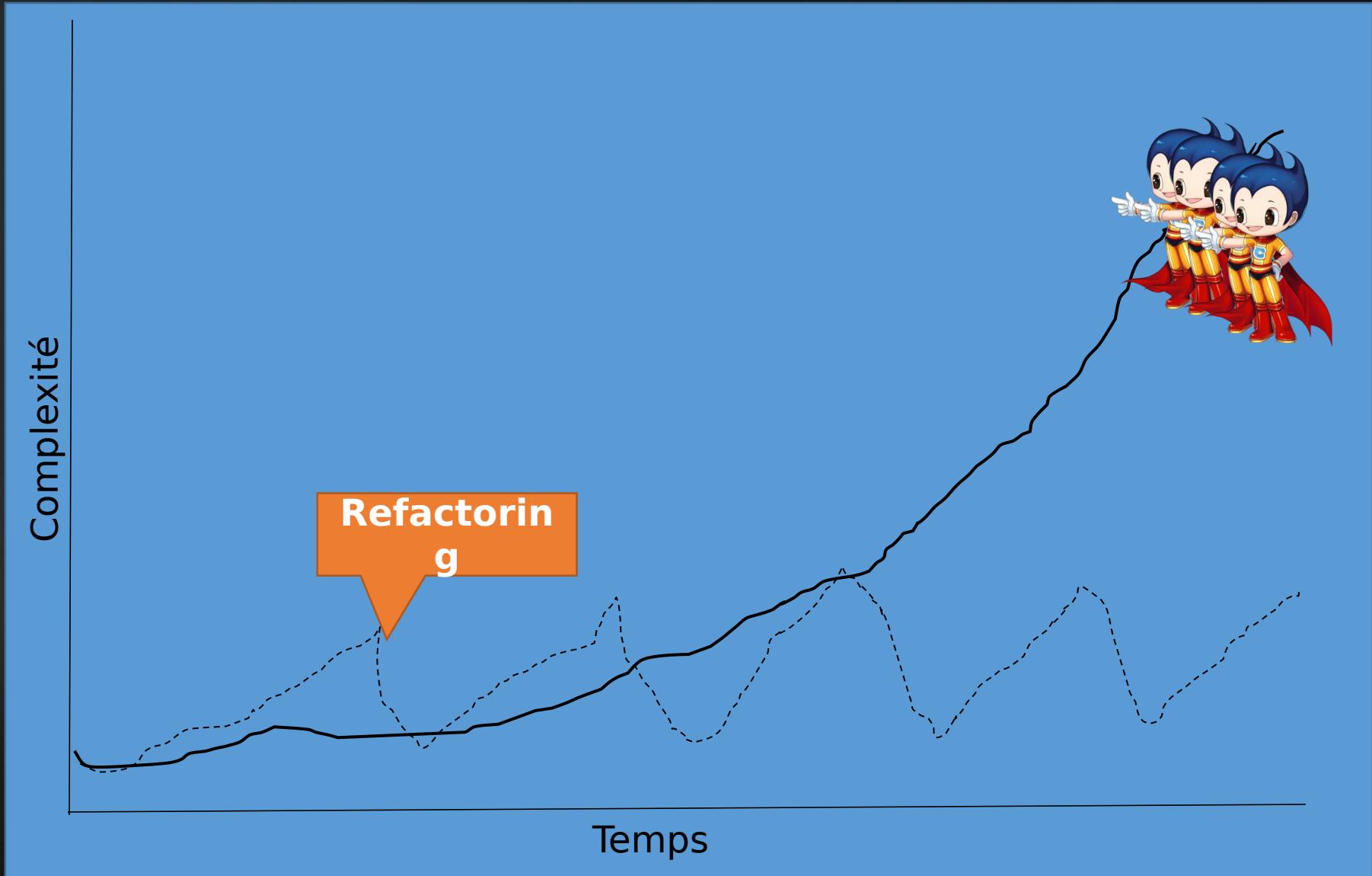
# morning\_not\_kiss()



<http://pngimg.com/download/50354>

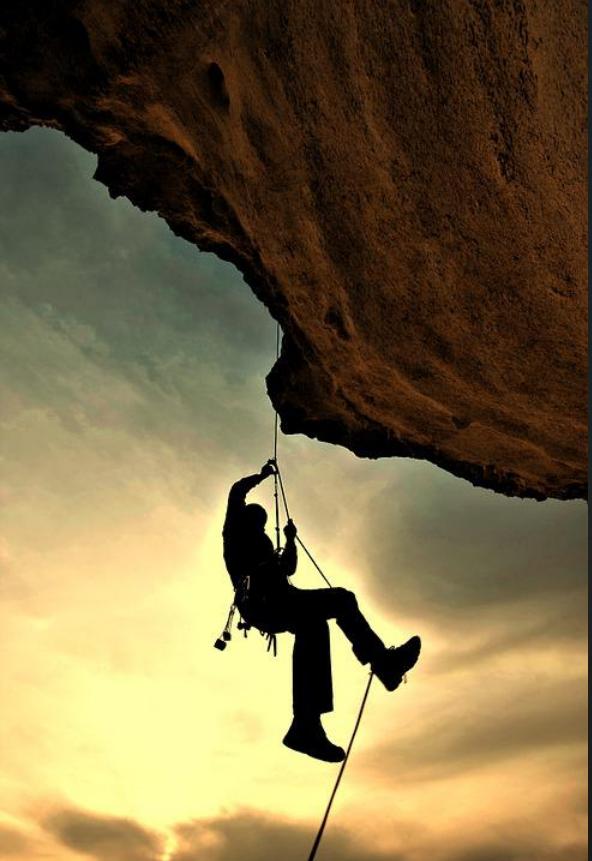
<http://pngimg.com/download/16824>

<https://www.flickr.com/photos/43091453@N04/5169254375>





# Varape ou Balade



<https://pixabay.com/fr/photos/grimpeur-alpiniste-alpinisme-299018/>

<https://pixabay.com/fr/photos/vagabond-sac-%C3%A0-dos-randonn%C3%A9e-455338/>





From Valat Sébastien

# Tests unitaires : vous dites oui !

