



SORBONNE  
UNIVERSITÉ

# Projet VISION

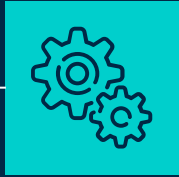
LICENCE INFORMATIQUE  
LO3IN401

Par: CHITER El Hadi & ZENINE Mehdi

Encadré par:  
Mr. LEMAITRE Florian  
Mr. MAURICE Nathan

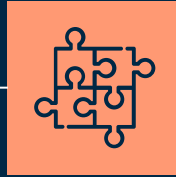
2022/2023

# TABLES DES MATIÈRES



01

Chaîne de  
Traitement



02

Description des  
Optimisations



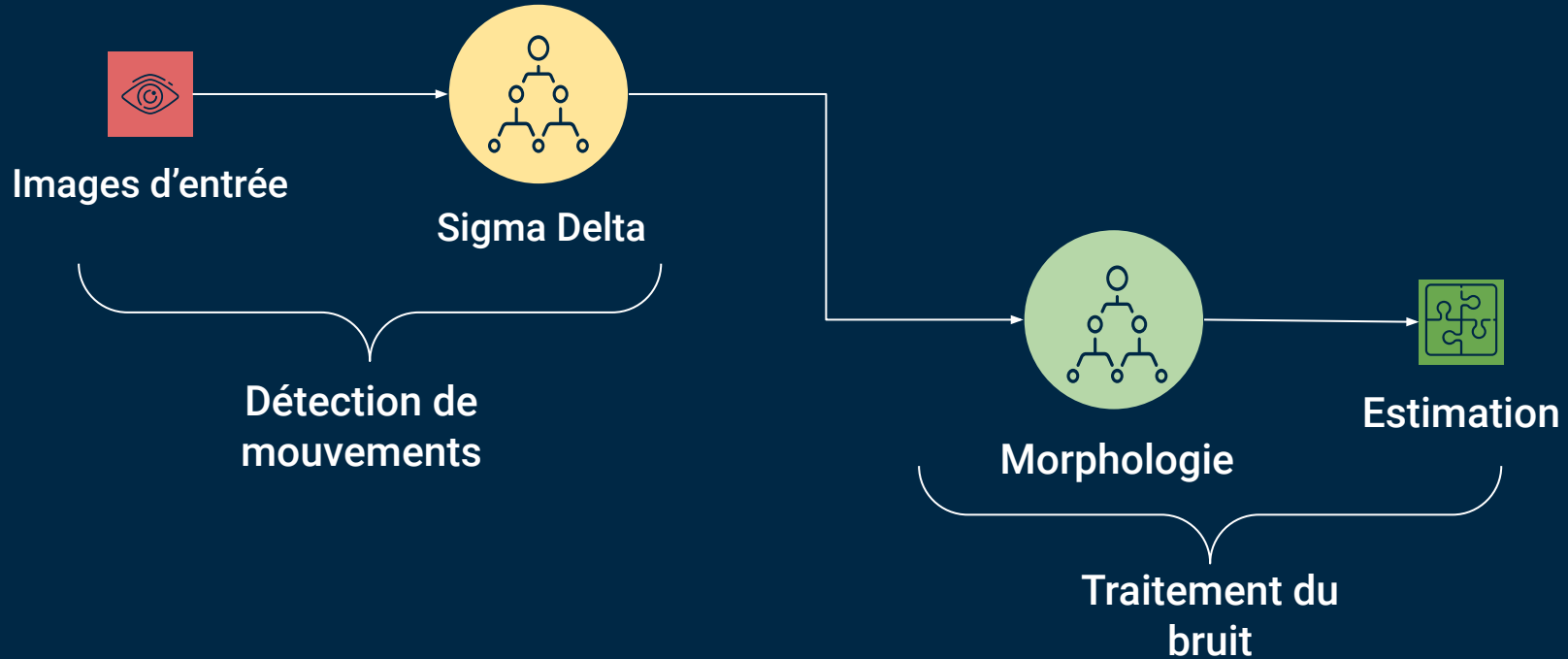
03

Analyse des  
performances

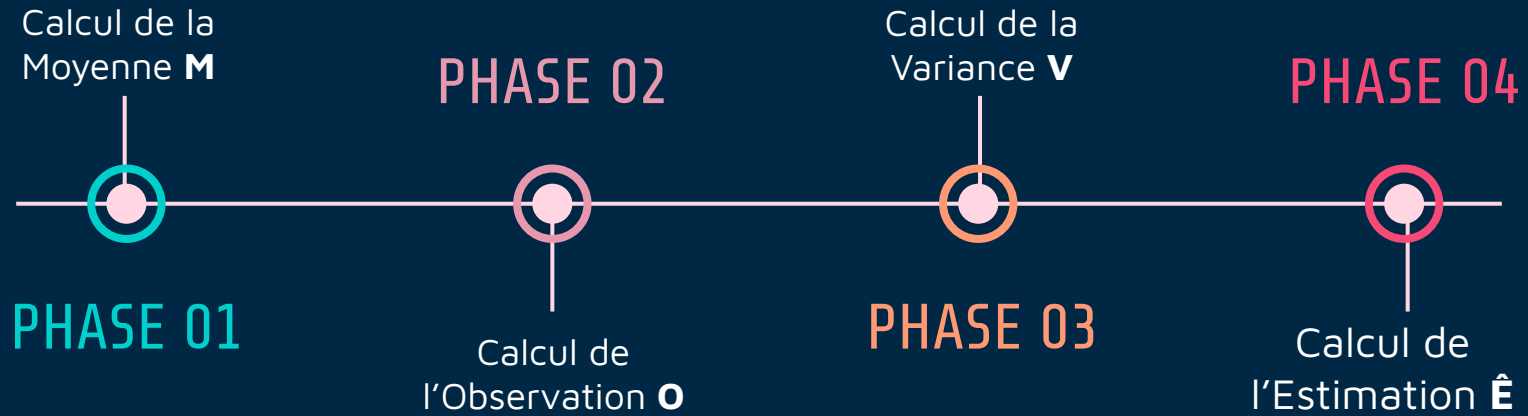
# Chaîne de Traitement

01

# Deux étapes, Deux Algorithmes



# Sigma Delta...



# Morphologie...

Ouverture



Erosion



Dilatation

Morphologie

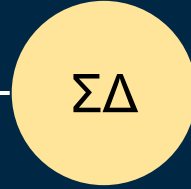
Fermeture



Dilatation



Erosion

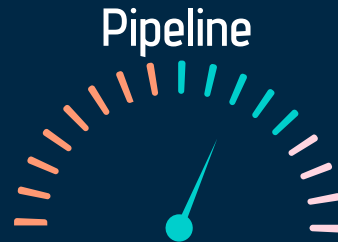
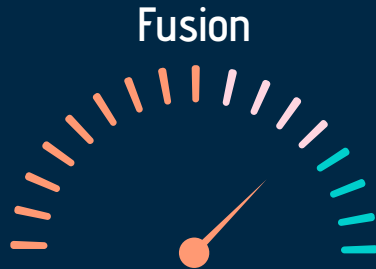
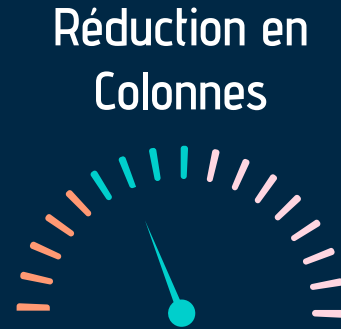


# Optimisations

02



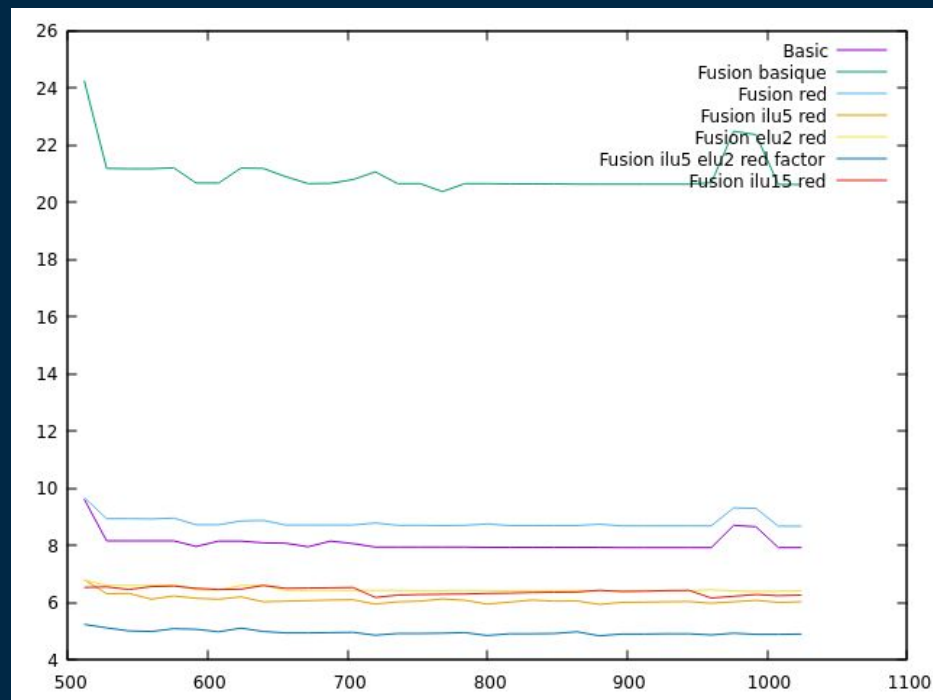
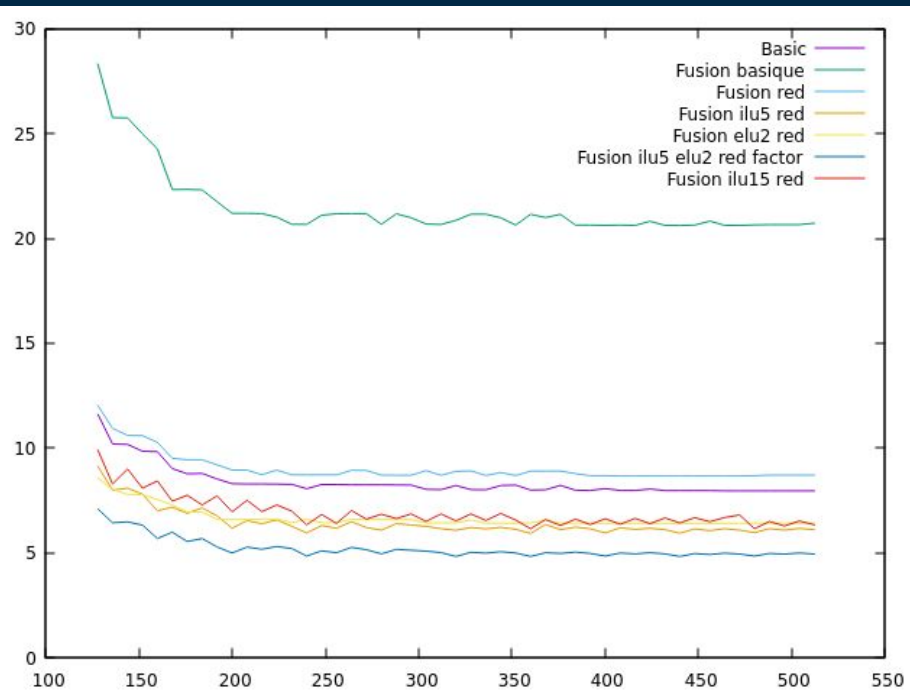
# OPTIMISATIONS



# Performances

03

# Fusion Sans SWP



# Fusion Sans SWP

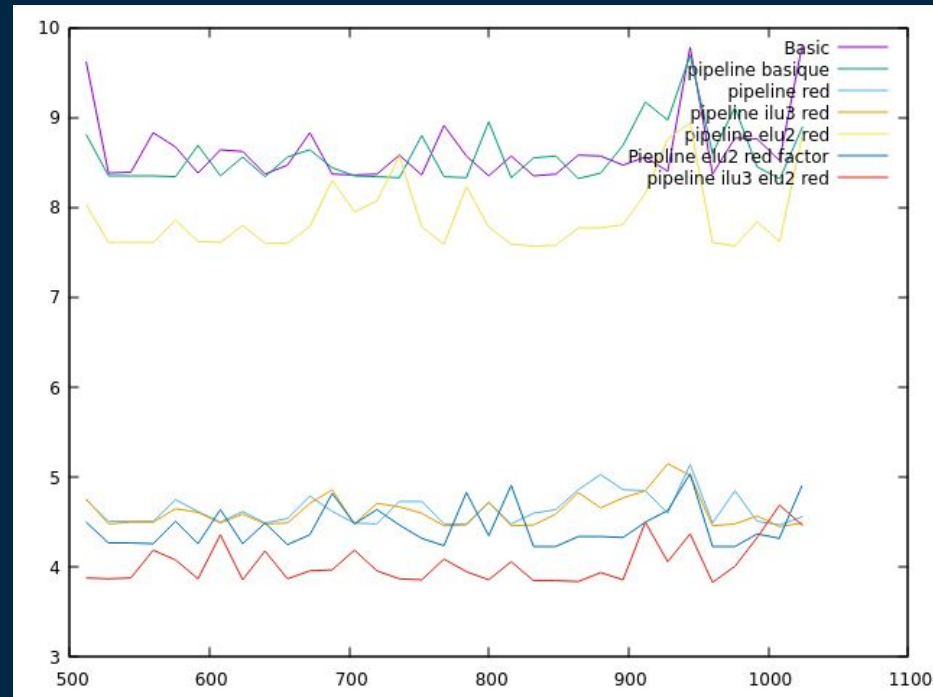
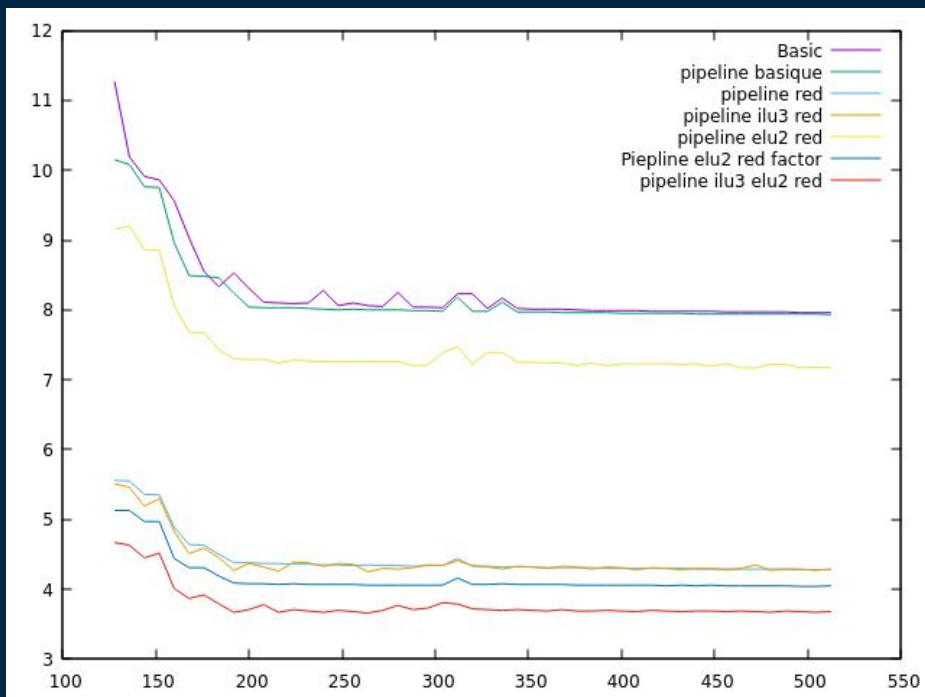
Le top: fusion ilu5\_el2\_red\_factor

Le flop: fusion\_basic

Le plus décevant: fusion\_ilu15\_red



# Pipeline Sans SWP



# Pipeline Sans SWP

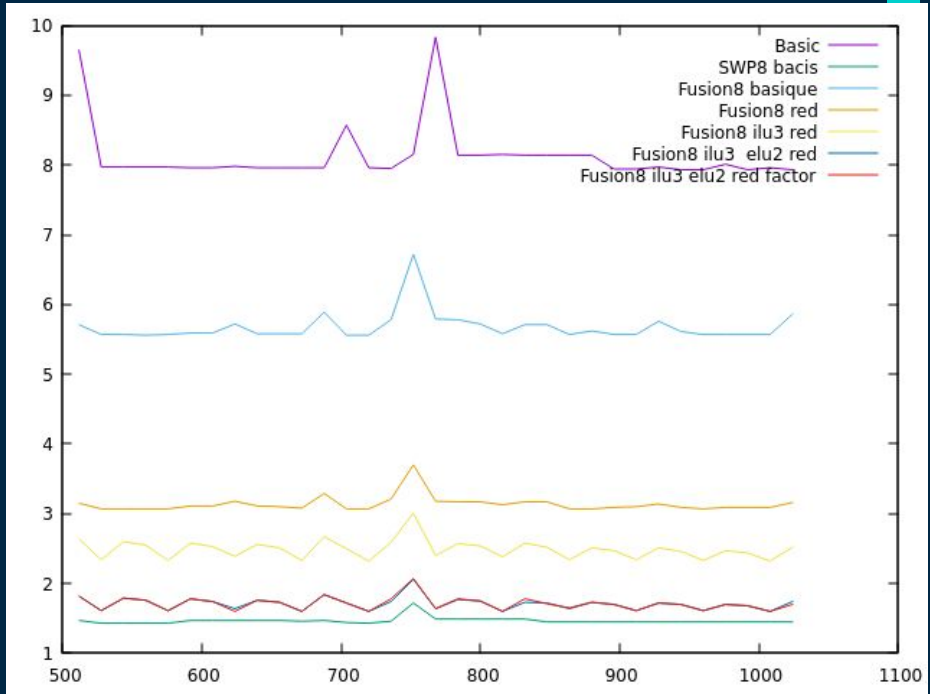
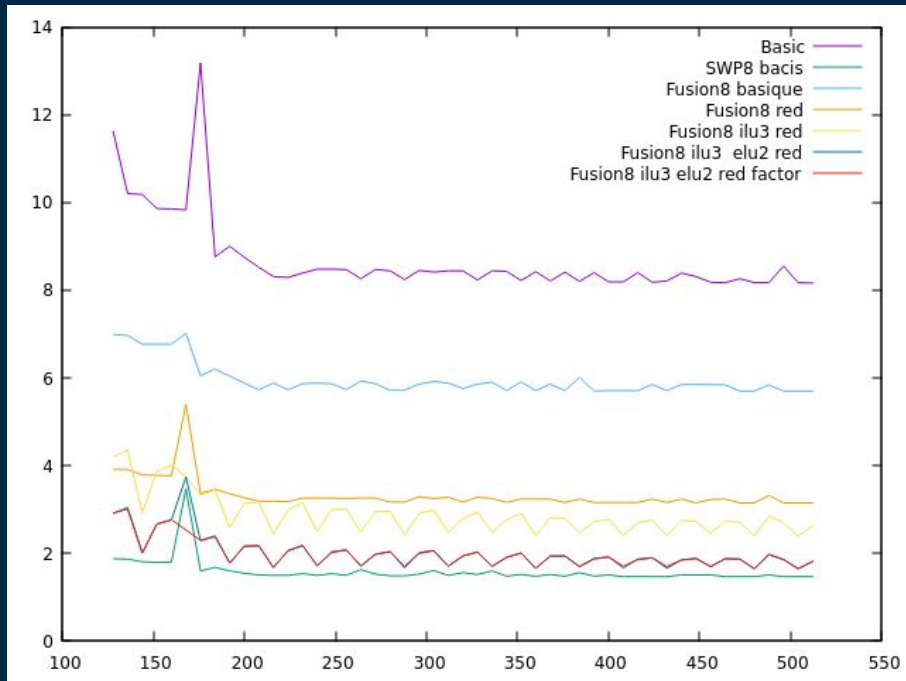
Le top: pipeline\_ilu3\_el2\_red

Le flop: pipeline\_basic

Le plus décevant: On a pas été déçus.



# Fusion SWP8



# Fusion SWP8

Le top: fusion8\_basic

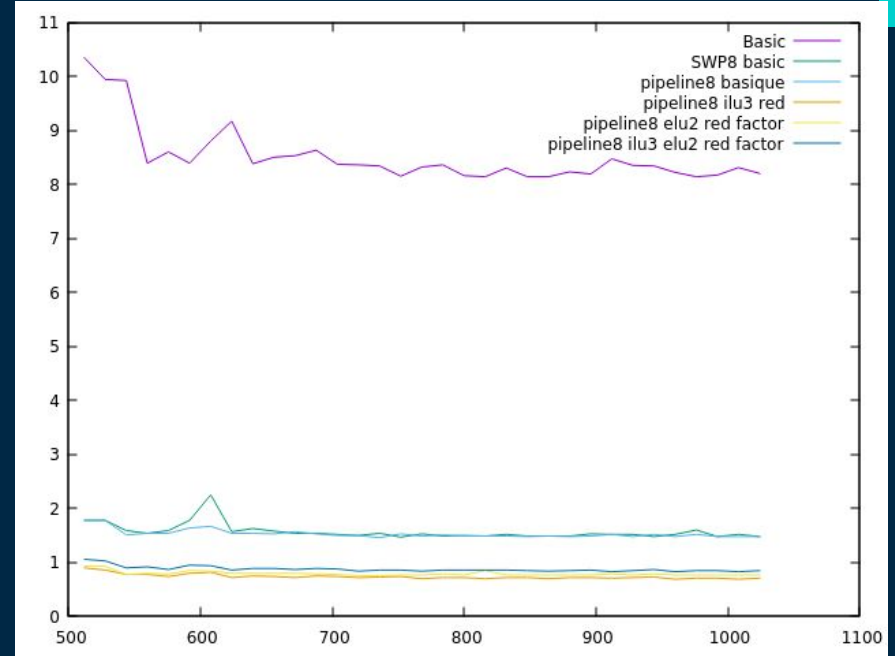
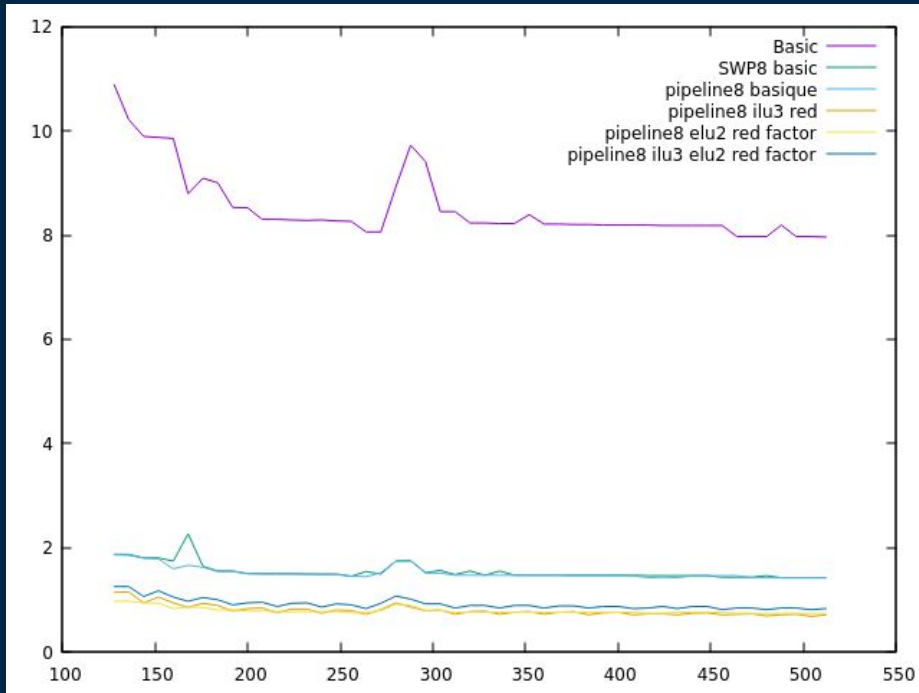
Le flop: fusion8\_ilu3\_elu2\_red

Le plus décevant: fusion8\_ilu3\_elu2\_red\_factor





# Pipeline SWP8



# Pipeline SWP8

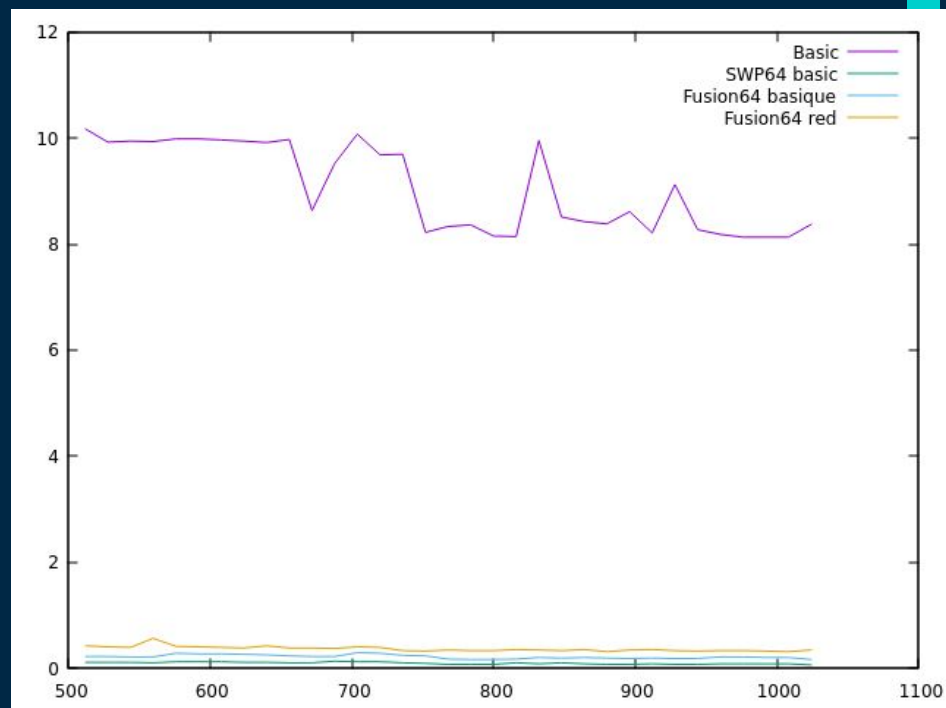
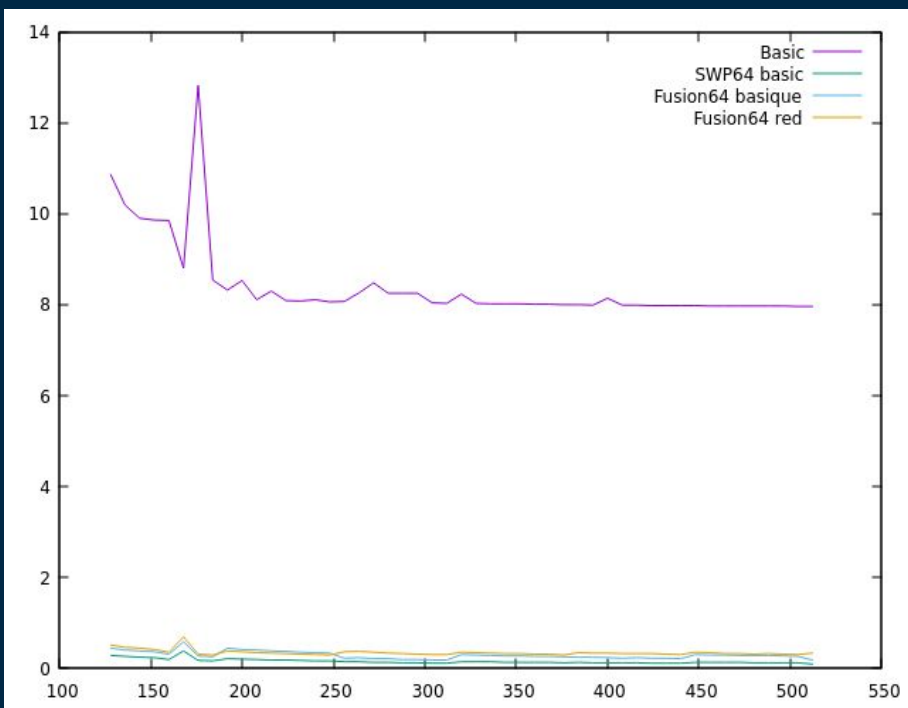
Le top: pipeline8\_elu3\_red

Le flop: pipeline8\_basic

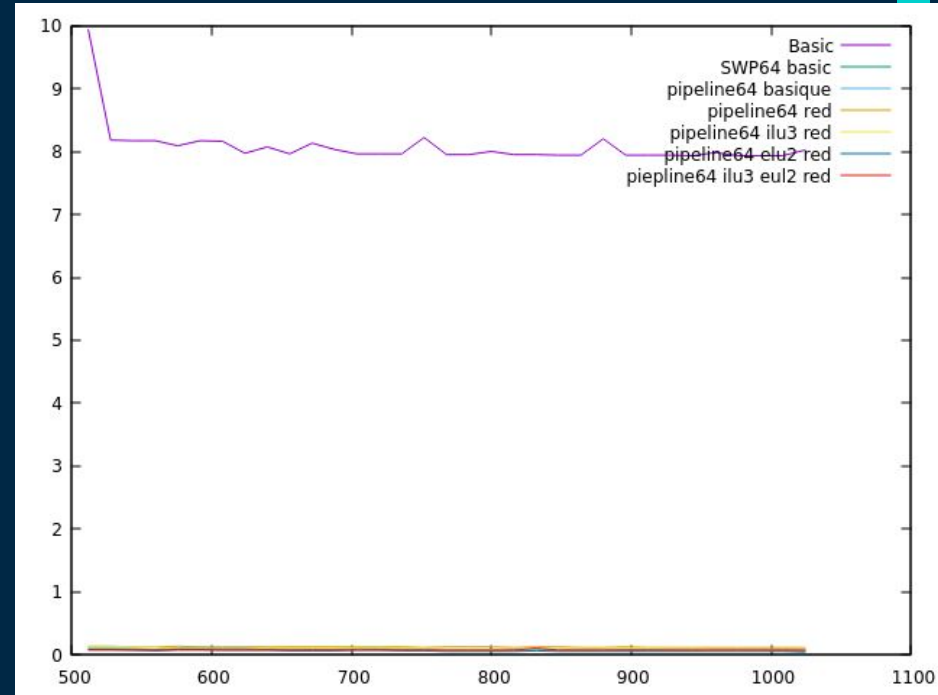
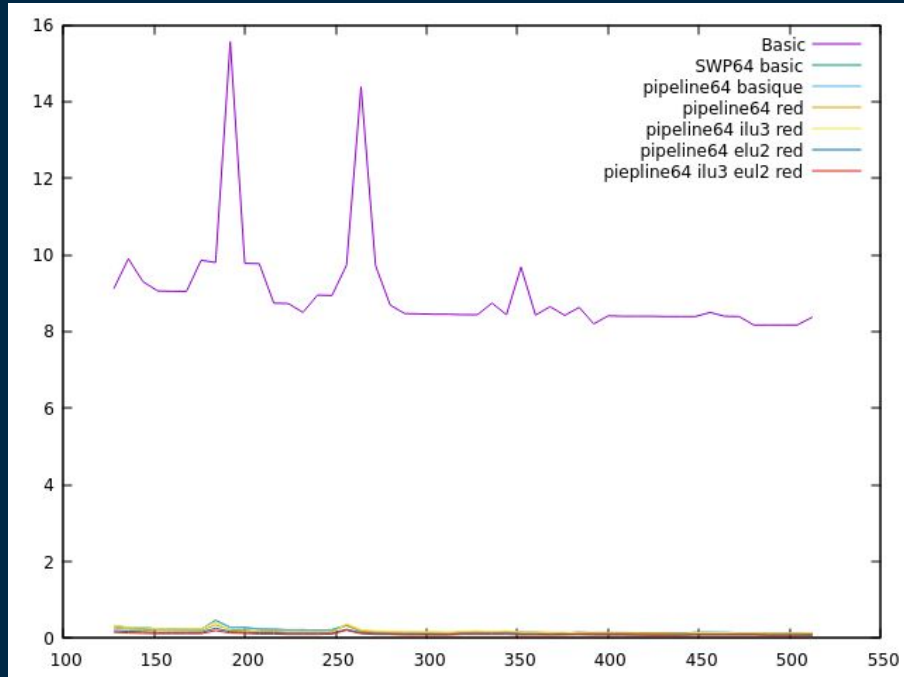
Le plus décevant: pipeline8\_ilu3\_elu2\_red\_factor



# Fusion SWP64



# Pipeline SWP64

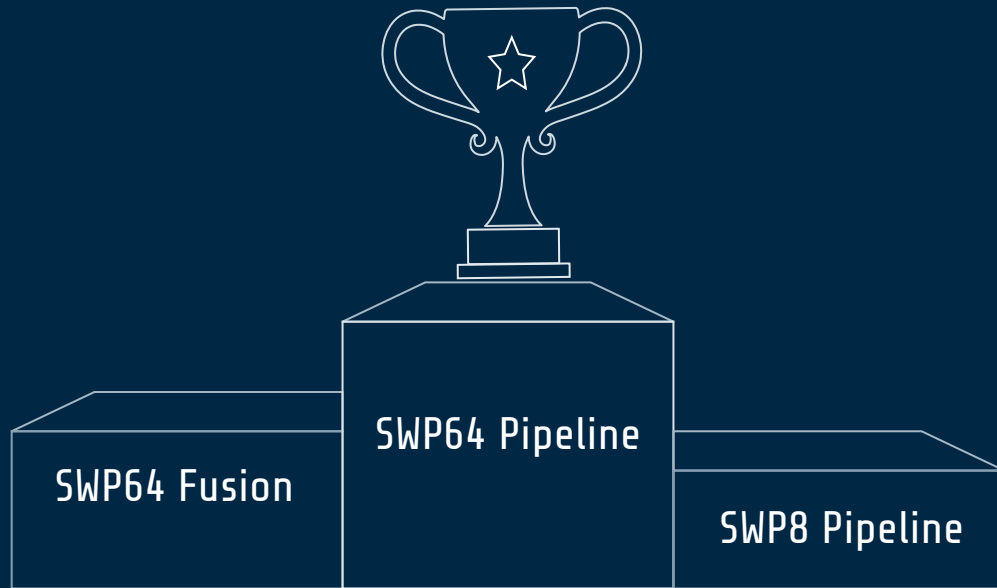


# Pipeline SWP64

Ni top ni flop



# Conclusion



MERCI 🤗