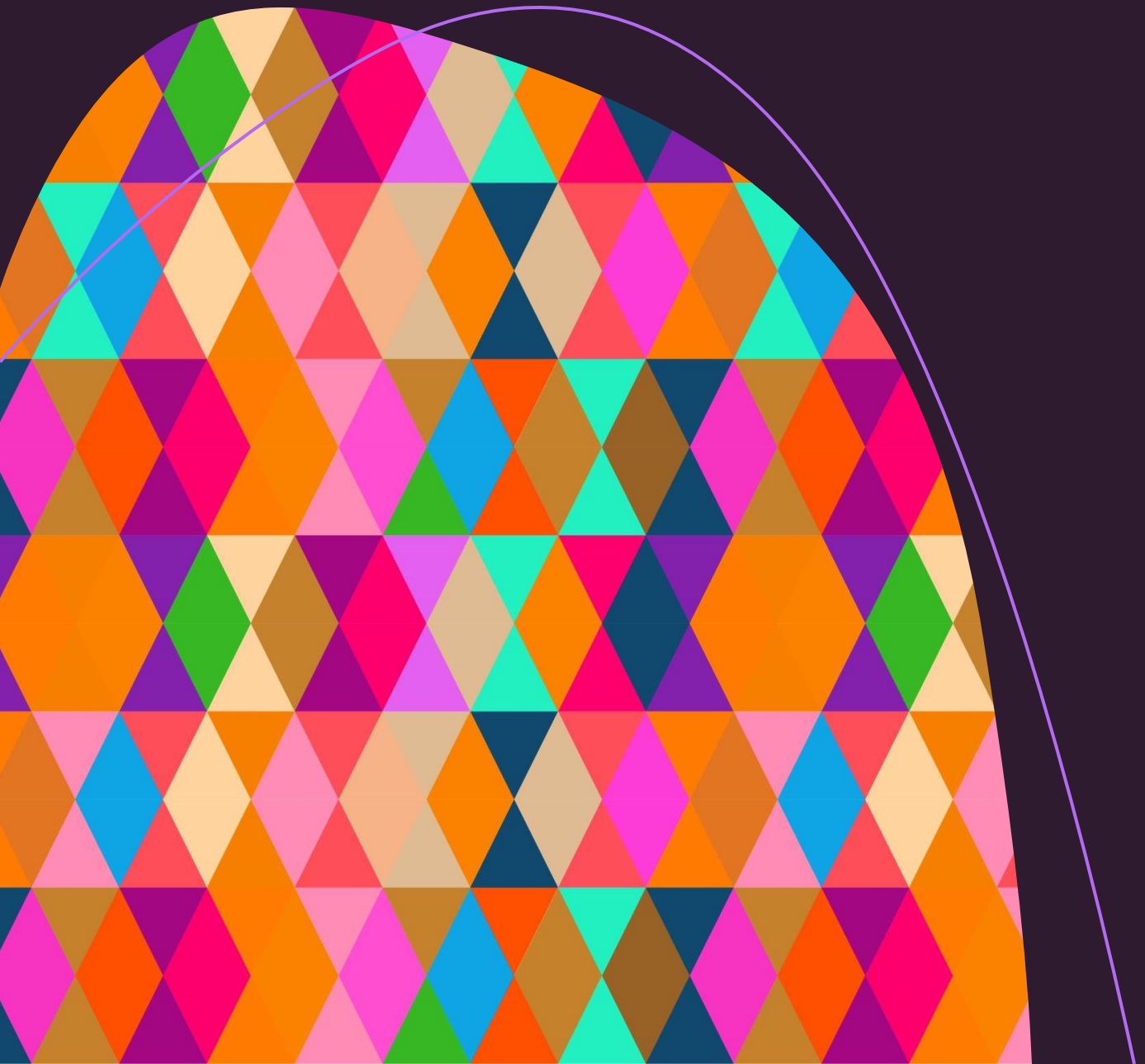


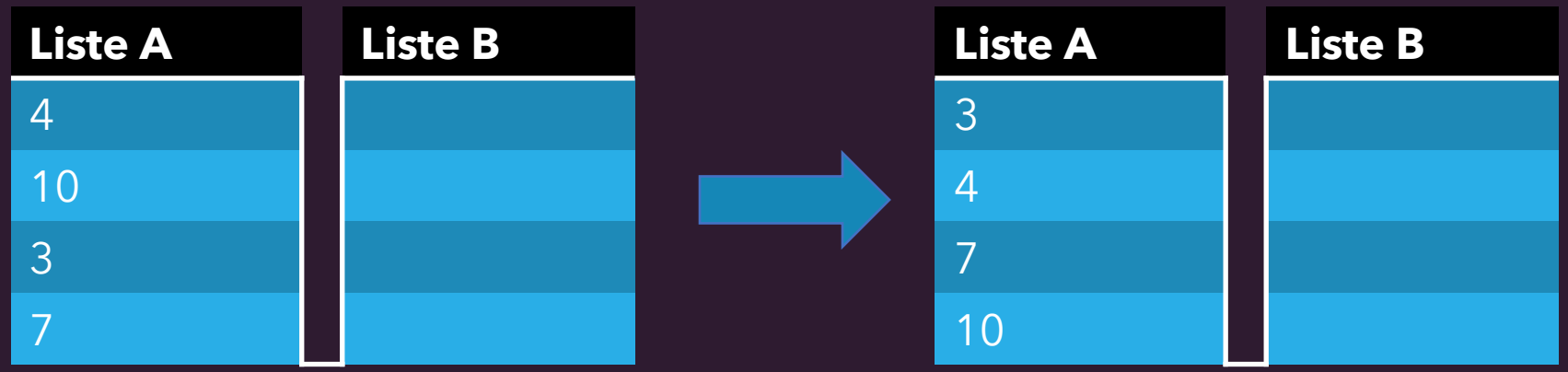
Review Pushswap

Arthur DECAEN

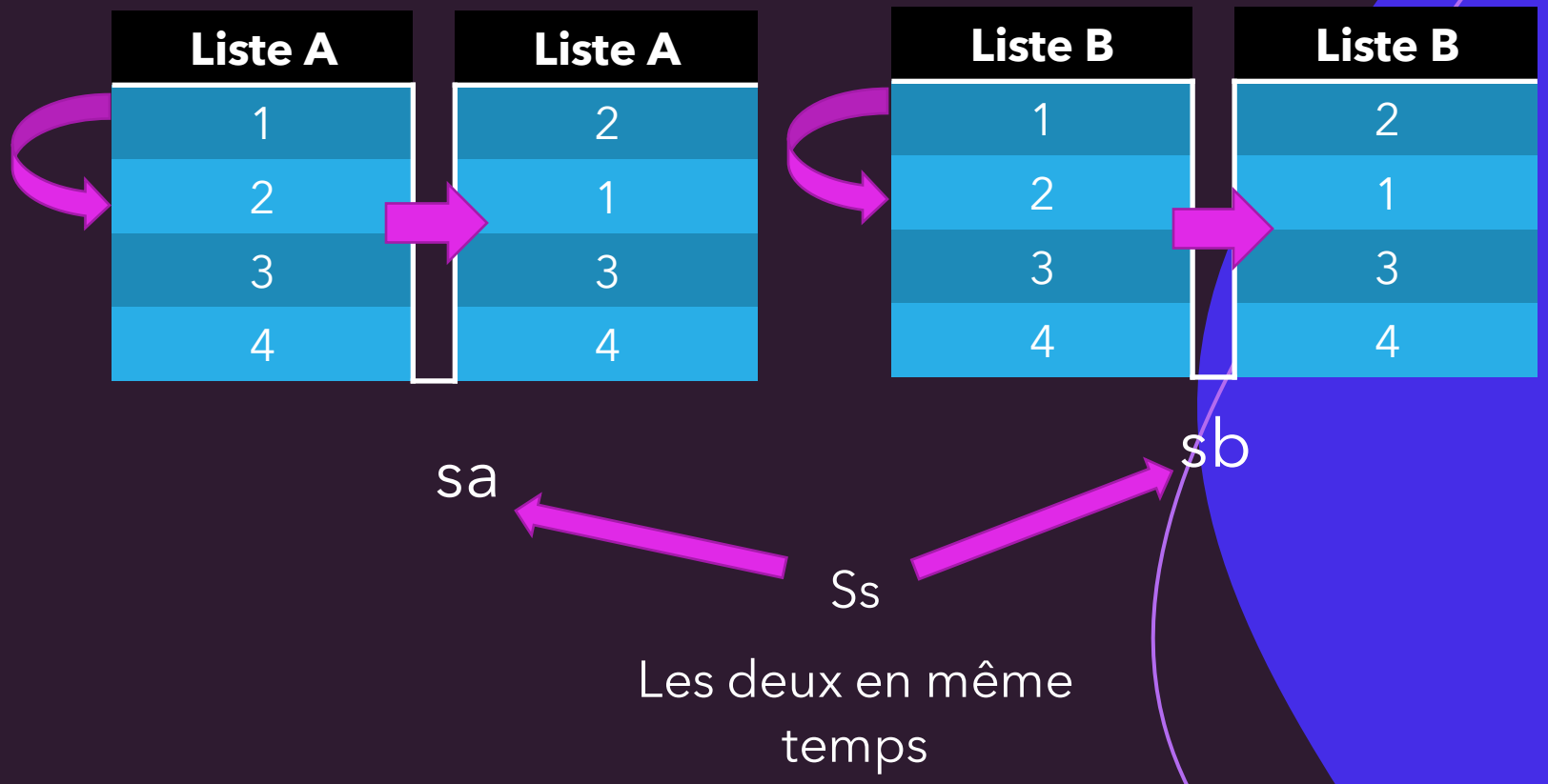
Consignes

- Trier une liste de nombres dans l'ordre croissant.
- Utiliser seulement les mouvements autorisés.
- 2 listes sont à notre disposition pour faciliter les manipulations.
- Afficher les mouvements à faire pour trier la liste.

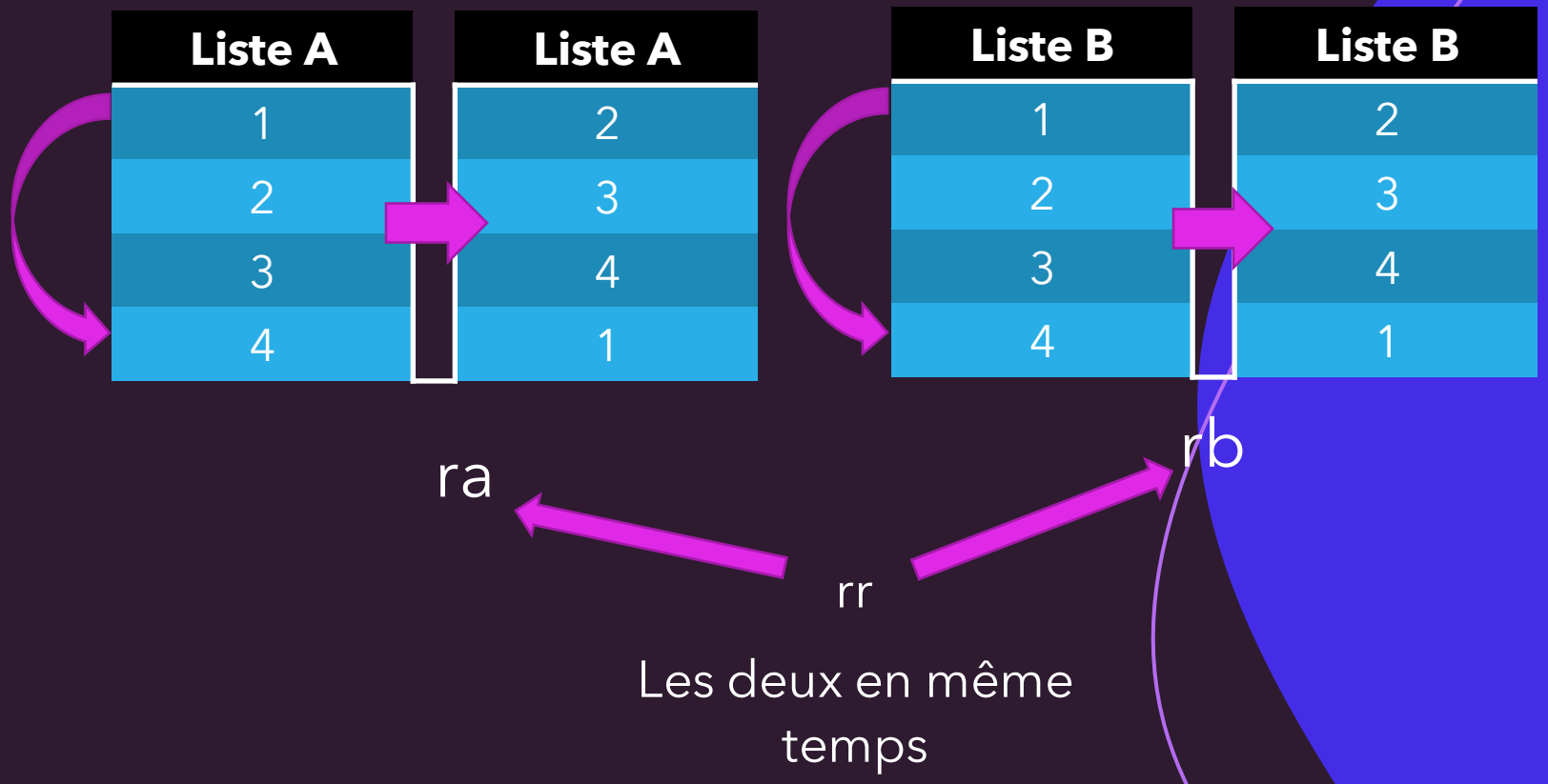
- ./pushswap 4 10 3 7



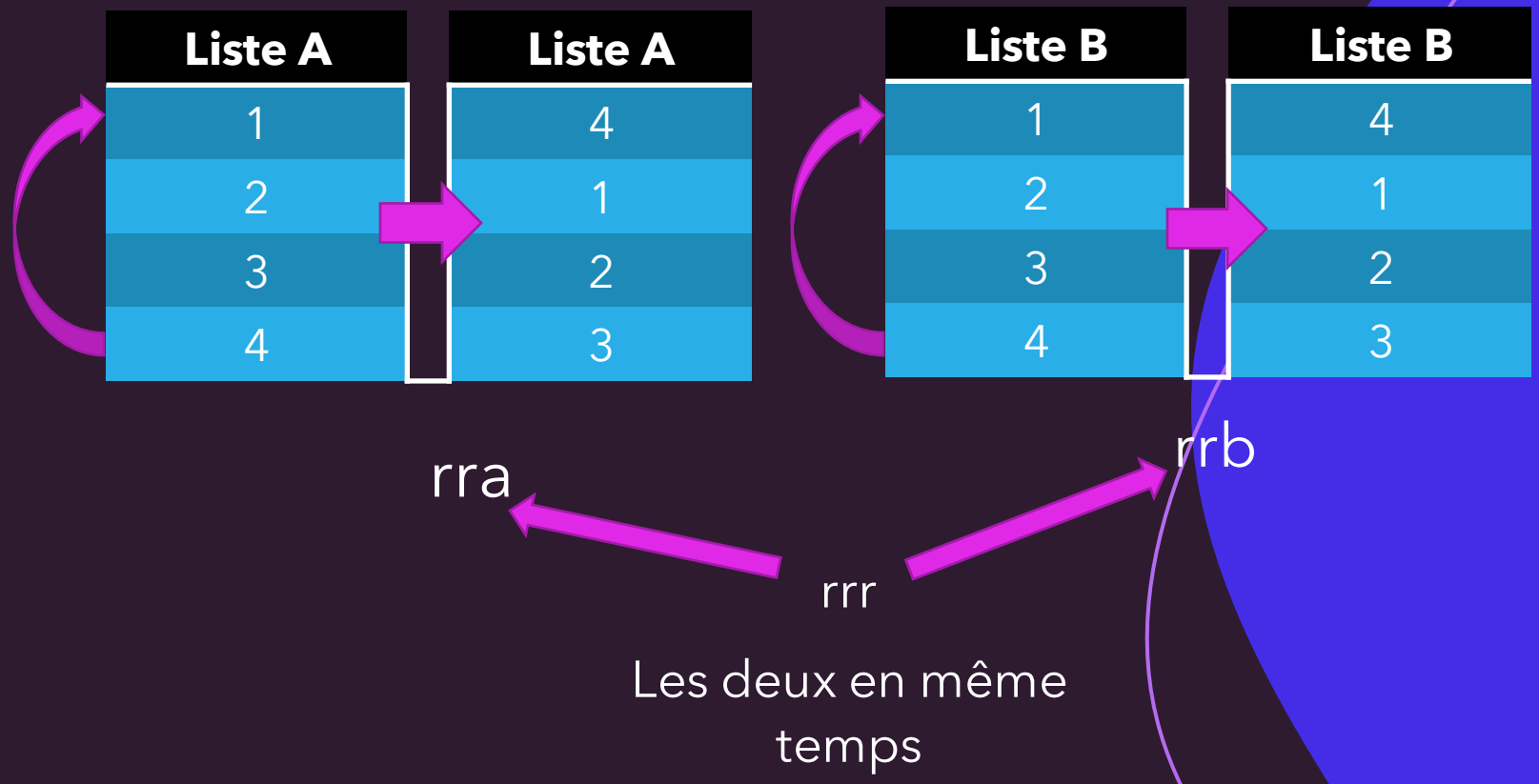
Mouvements – les S



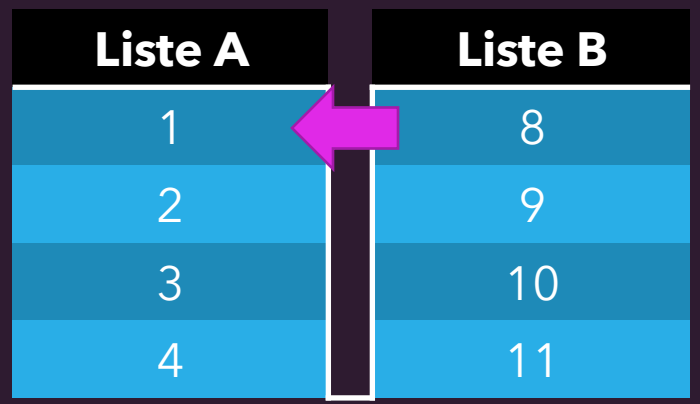
Mouvements – les R



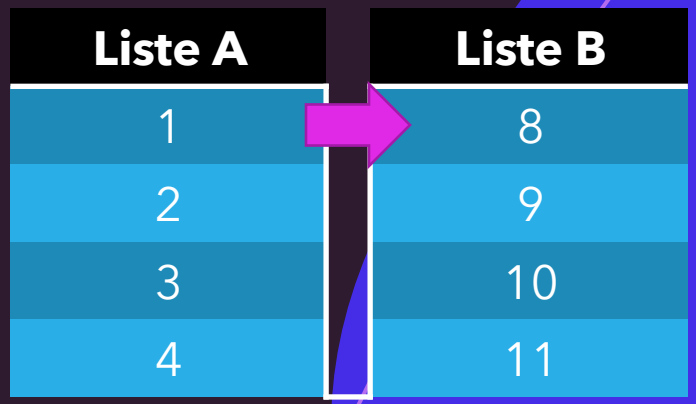
Mouvements – les RR



Mouvements – les P

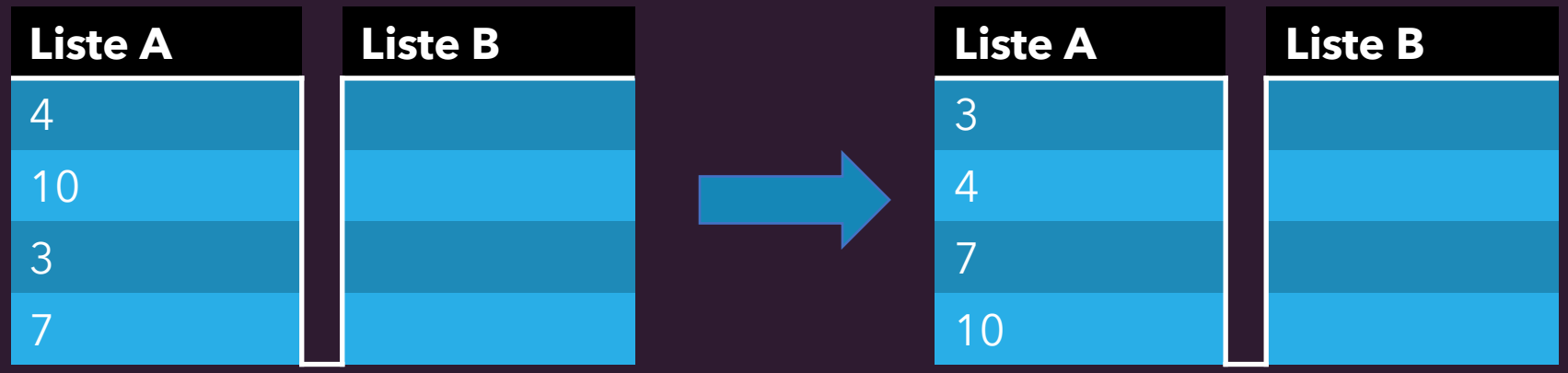


pa



pb

- ./pushswap 4 10 3 7



ra ra pb ra pb ra pb pb pa pa pa pa

But du projet

- Manipulation des listes chainées
- Recherche d'un algorithme de tri le plus efficace possible

Algorithme

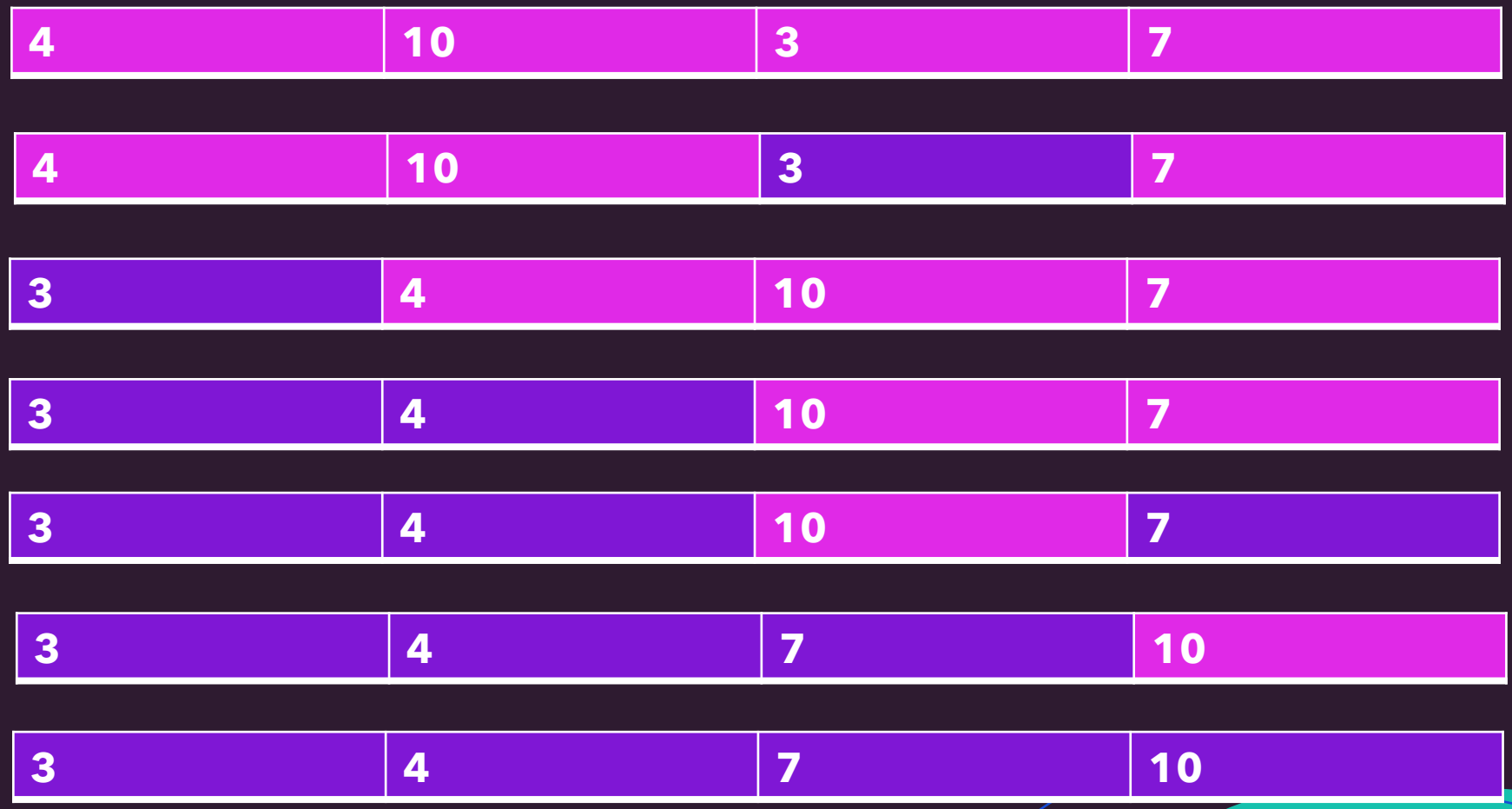
Infos

Basé sur un tri par séléction

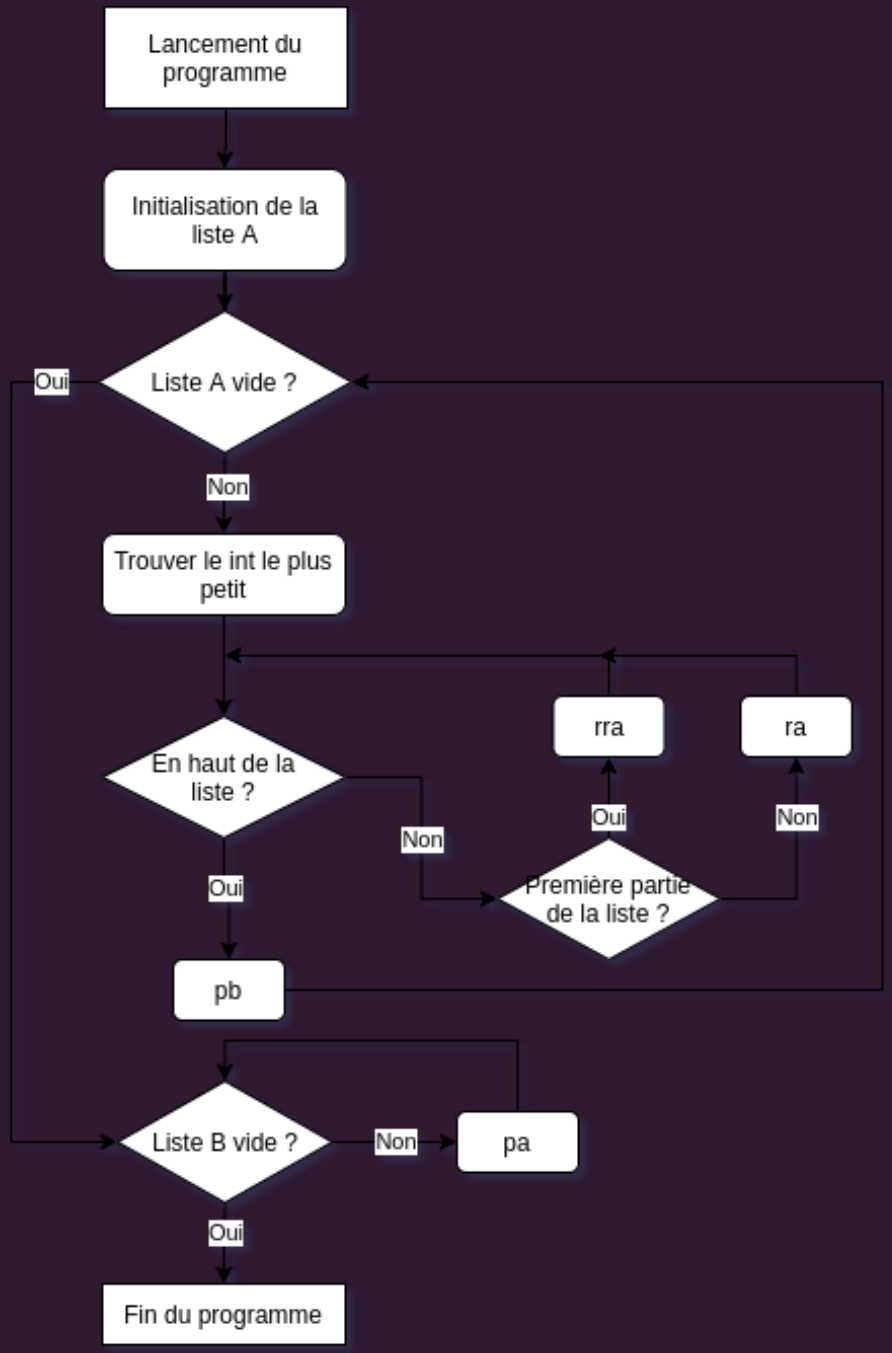
Utilise les mouvements 'ra', 'rra', 'pb' et 'pa'

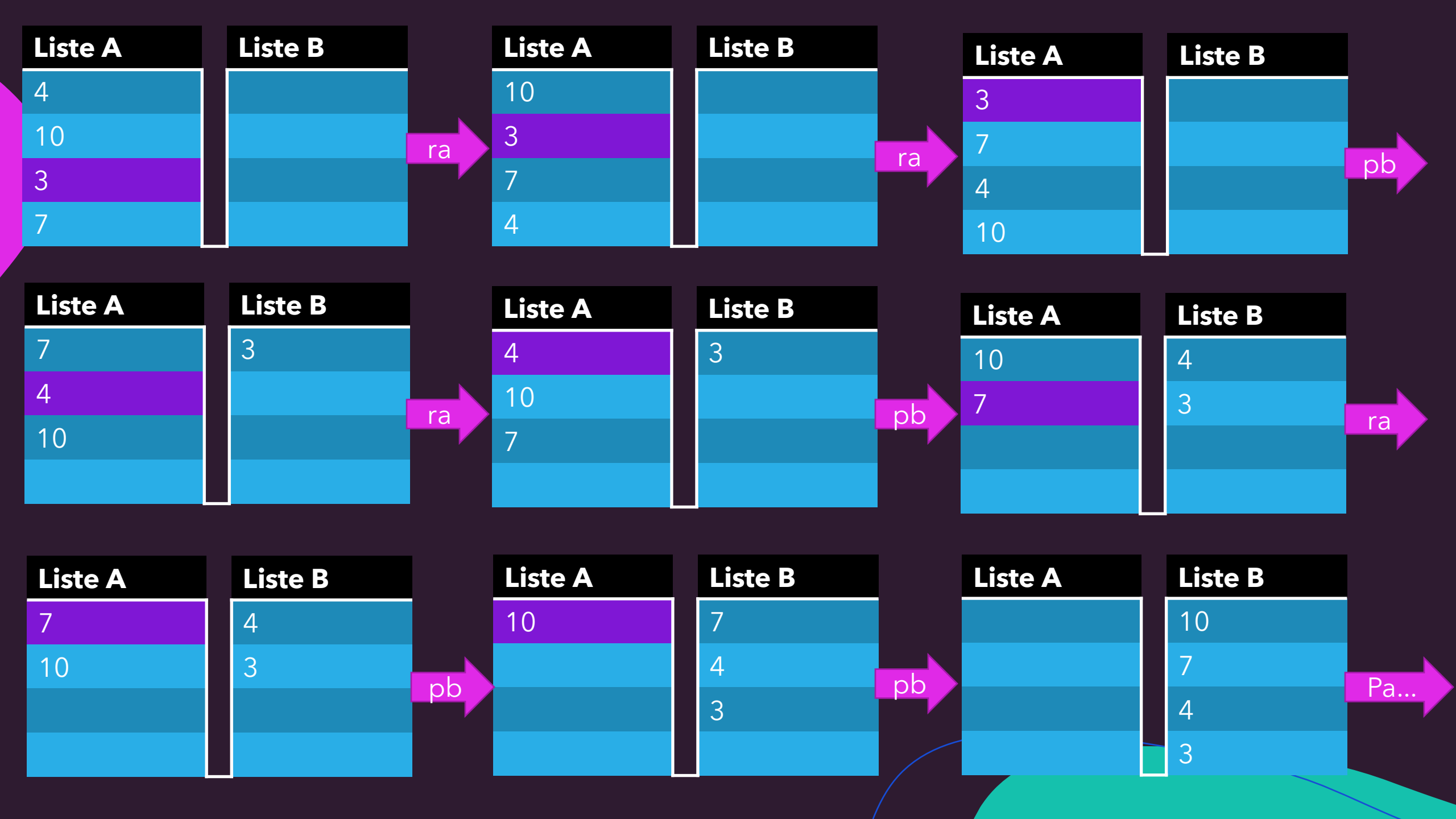
Assez rapide (mais pas assez pour les tests les plus poussés)

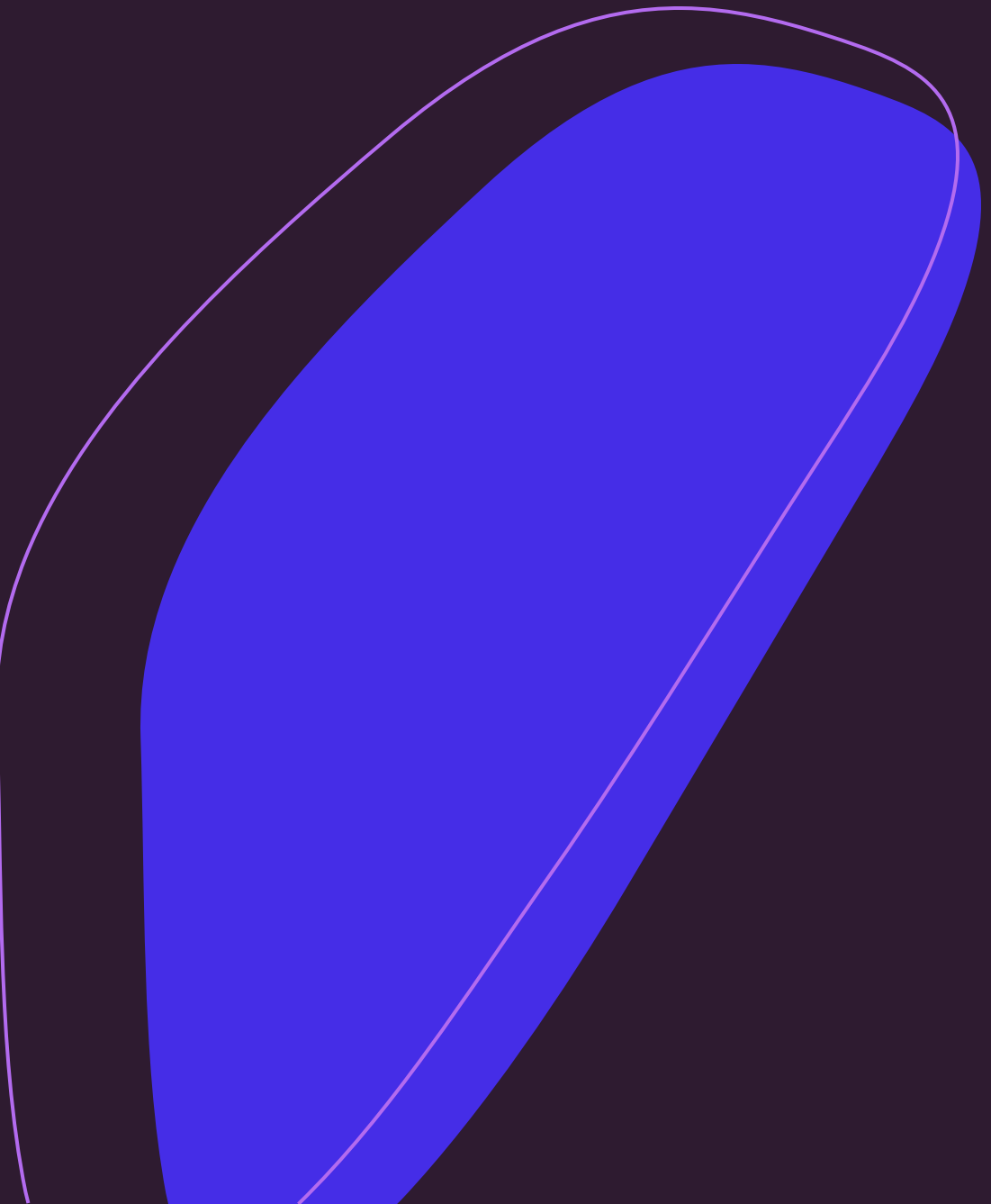
Comment marche le tri par sélection ?



Algorigramme



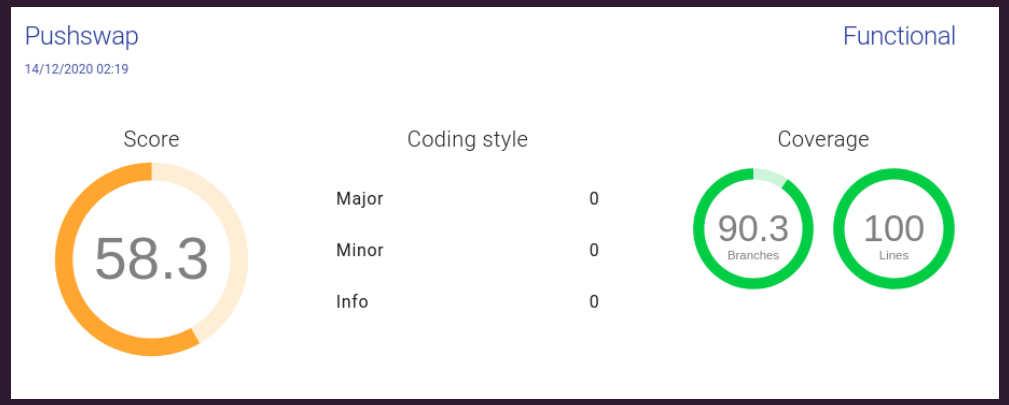

Liste A
4
10
3
7
Liste B
ra
Liste A
10
3
7
4
Liste B
ra
Liste A
3
7
4
10
Liste B
pb
Liste A
7
4
10
Liste B
3
ra
Liste A
4
10
7
Liste B
3
pb
Liste A
10
7
Liste B
4
3
ra
Liste A
7
10
Liste B
4
3
pb
Liste A
10
Liste B
7
4
3
pb
Liste A
Liste B
10
7
4
3
Pa...

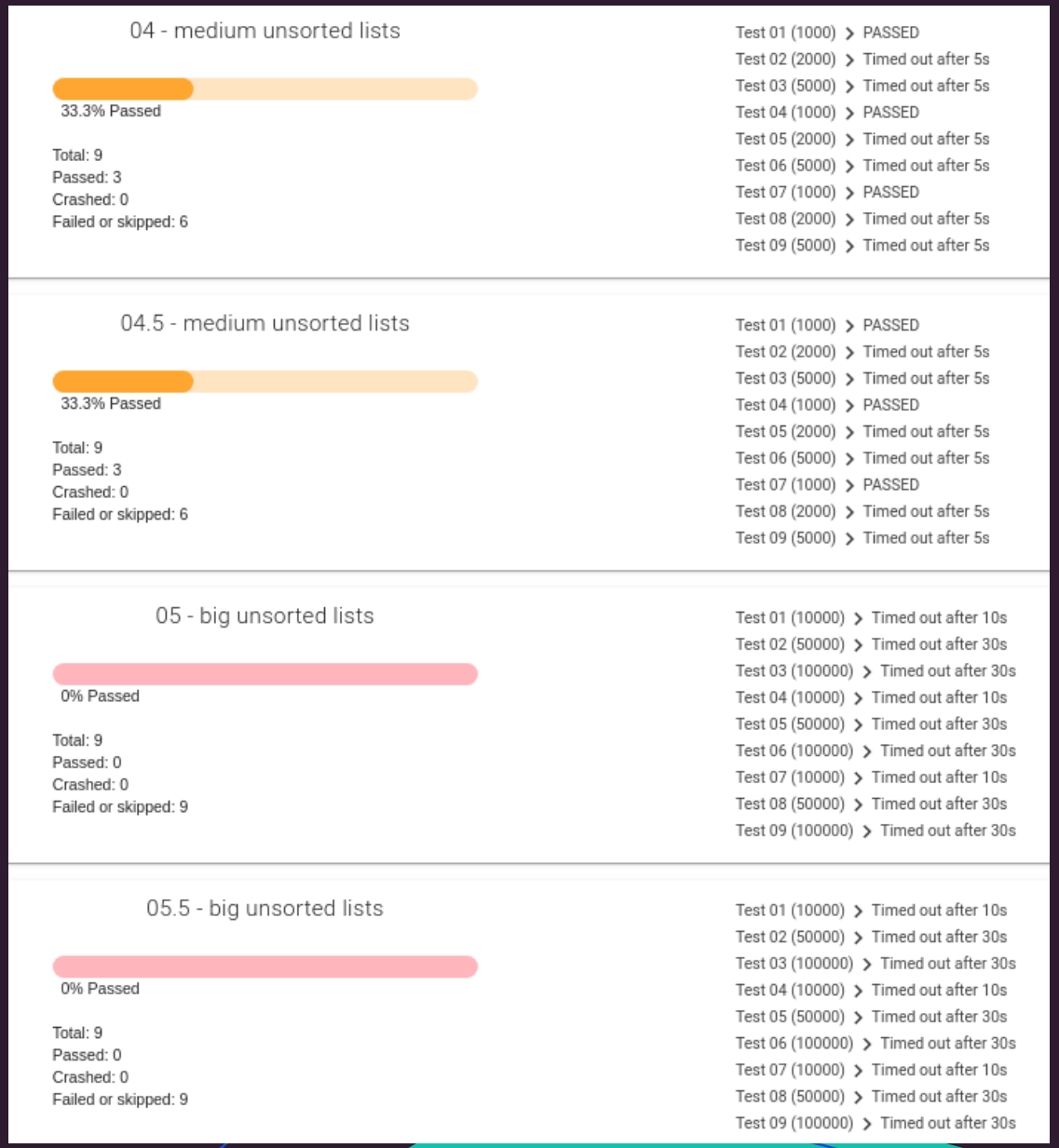


Difficultés

- Première véritable manipulation des listes chaînées

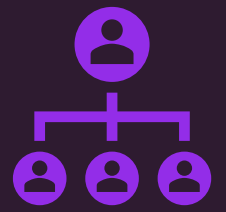
My Epitech


Pushswap
14/12/2020 02:19
Functional
Score
58.3
Coding style
Major 0
Minor 0
Info 0
Coverage
90.3
Branches
100
Lines


04 - medium unsorted lists
33.3% Passed
Total: 9
Passed: 3
Crashed: 0
Failed or skipped: 6
Test 01 (1000) › PASSED
Test 02 (2000) › Timed out after 5s
Test 03 (5000) › Timed out after 5s
Test 04 (1000) › PASSED
Test 05 (2000) › Timed out after 5s
Test 06 (5000) › Timed out after 5s
Test 07 (1000) › PASSED
Test 08 (2000) › Timed out after 5s
Test 09 (5000) › Timed out after 5s
04.5 - medium unsorted lists
33.3% Passed
Total: 9
Passed: 3
Crashed: 0
Failed or skipped: 6
Test 01 (1000) › PASSED
Test 02 (2000) › Timed out after 5s
Test 03 (5000) › Timed out after 5s
Test 04 (1000) › PASSED
Test 05 (2000) › Timed out after 5s
Test 06 (5000) › Timed out after 5s
Test 07 (1000) › PASSED
Test 08 (2000) › Timed out after 5s
Test 09 (5000) › Timed out after 5s
05 - big unsorted lists
0% Passed
Total: 9
Passed: 0
Crashed: 0
Failed or skipped: 9
Test 01 (10000) › Timed out after 10s
Test 02 (50000) › Timed out after 30s
Test 03 (100000) › Timed out after 30s
Test 04 (10000) › Timed out after 10s
Test 05 (50000) › Timed out after 30s
Test 06 (100000) › Timed out after 30s
Test 07 (10000) › Timed out after 10s
Test 08 (50000) › Timed out after 30s
Test 09 (100000) › Timed out after 30s
05.5 - big unsorted lists
0% Passed
Total: 9
Passed: 0
Crashed: 0
Failed or skipped: 9
Test 01 (10000) › Timed out after 10s
Test 02 (50000) › Timed out after 30s
Test 03 (100000) › Timed out after 30s
Test 04 (10000) › Timed out after 10s
Test 05 (50000) › Timed out after 30s
Test 06 (100000) › Timed out after 30s
Test 07 (10000) › Timed out after 10s
Test 08 (50000) › Timed out after 30s
Test 09 (100000) › Timed out after 30s

À suivre...

Criterion et Gcovr



Github