

Conception Avancée de Bases de Données

Sort Merge

Tri Fusion

Exemple

Passe 0 et Passe 1





Passe 0

Z
B
V
J
U
K
E
A
G
B

Z

B

V

J

U

K

E

A

G

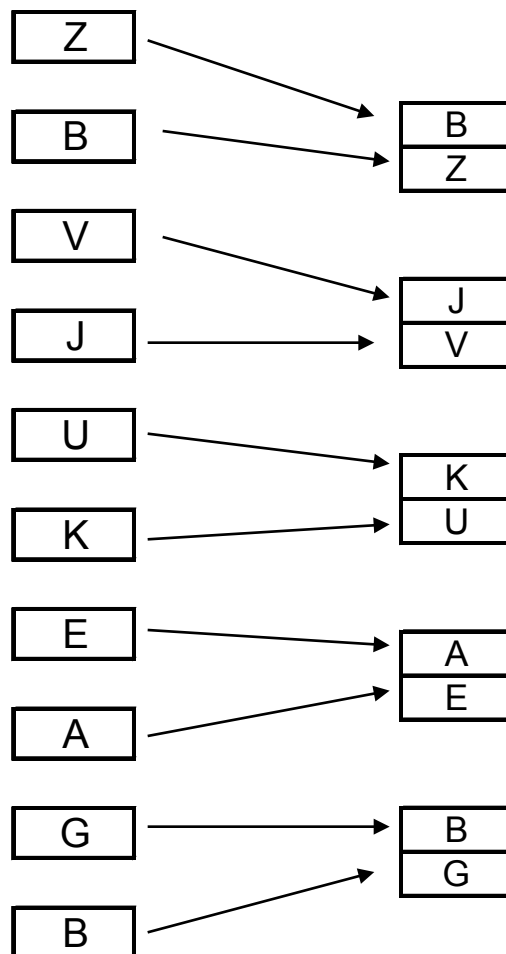
B

Sépare





Passe 1



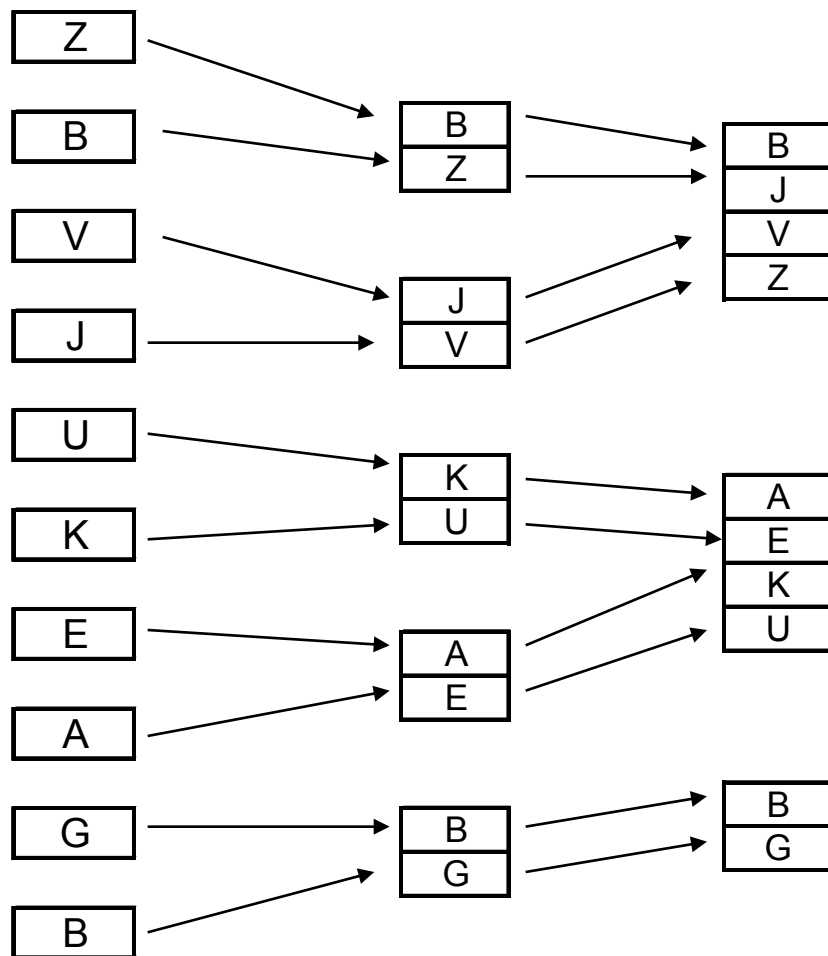
Passe 1



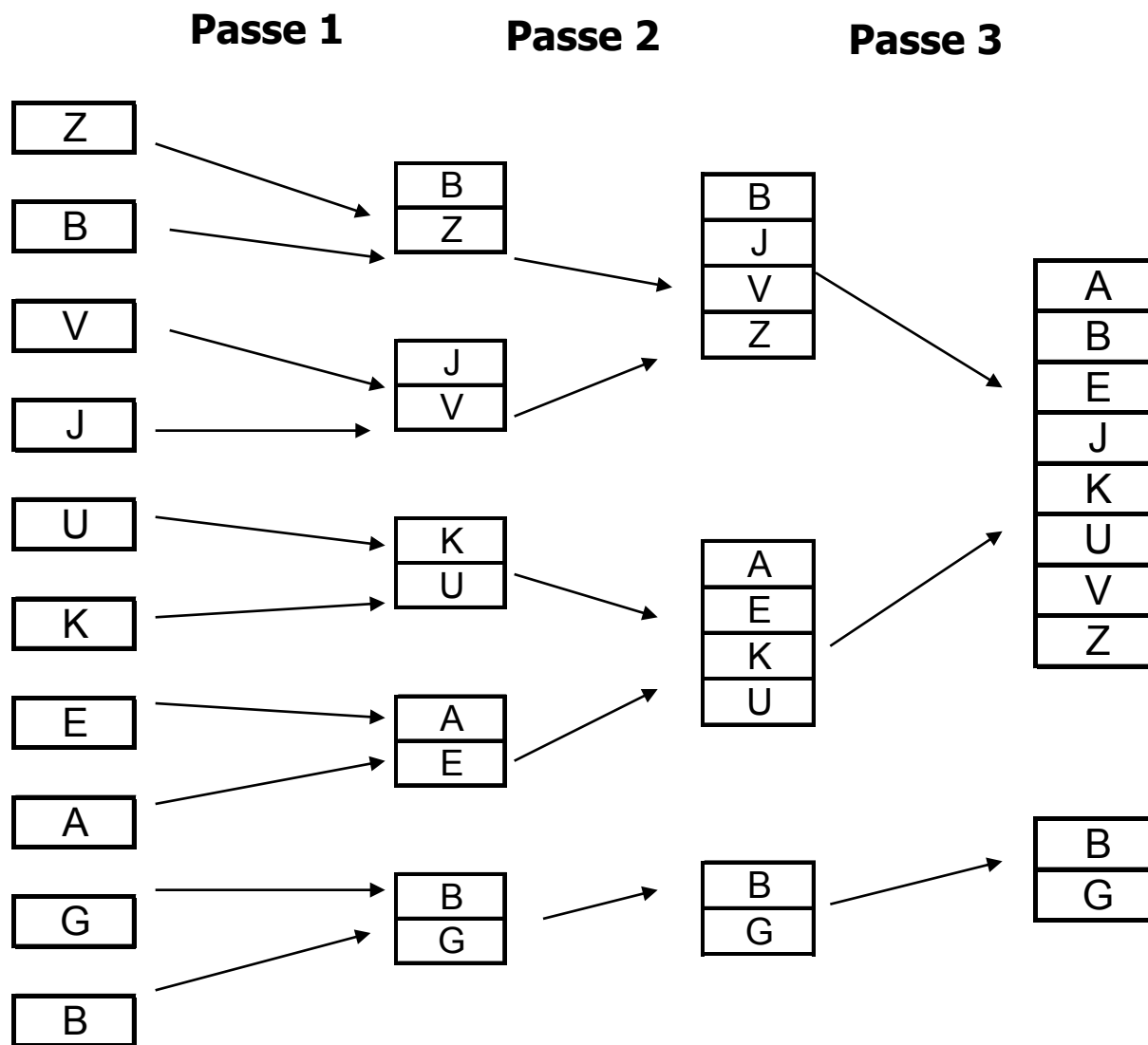


Passe 1

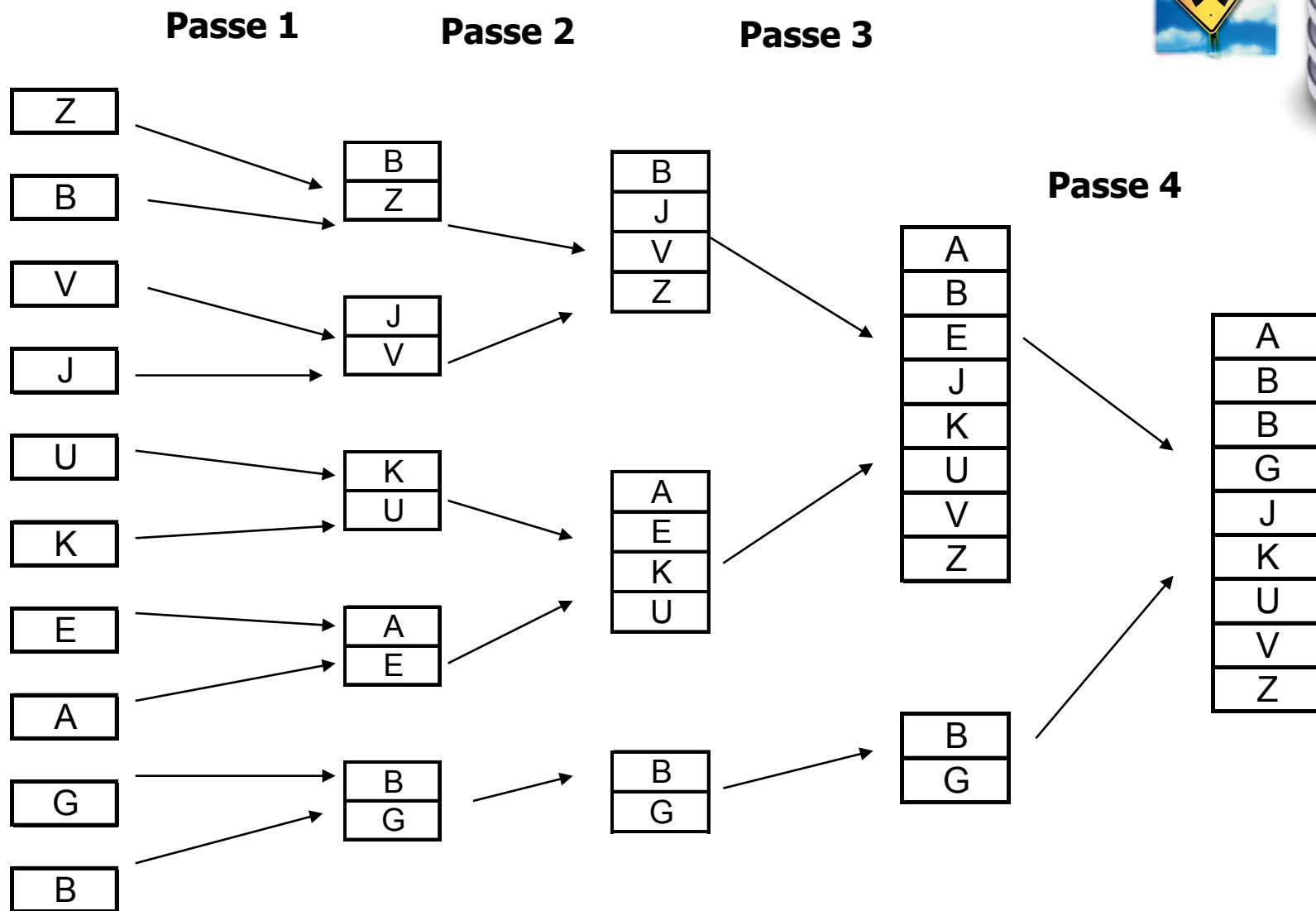
Passe 2



MERGE



MERGE

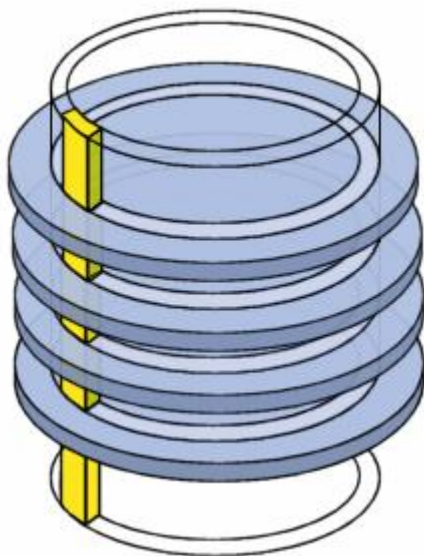


MERGE



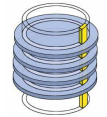
Disque

Mémoire

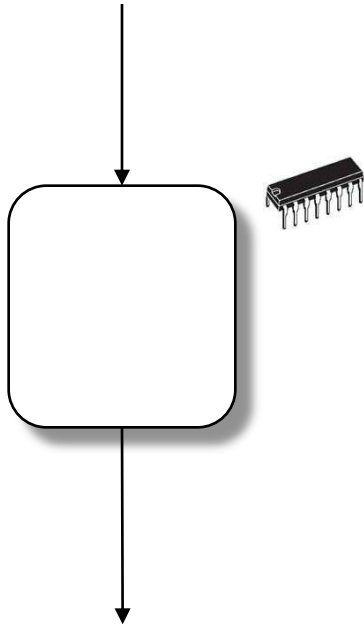




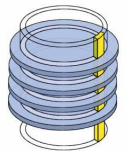
Passe 0



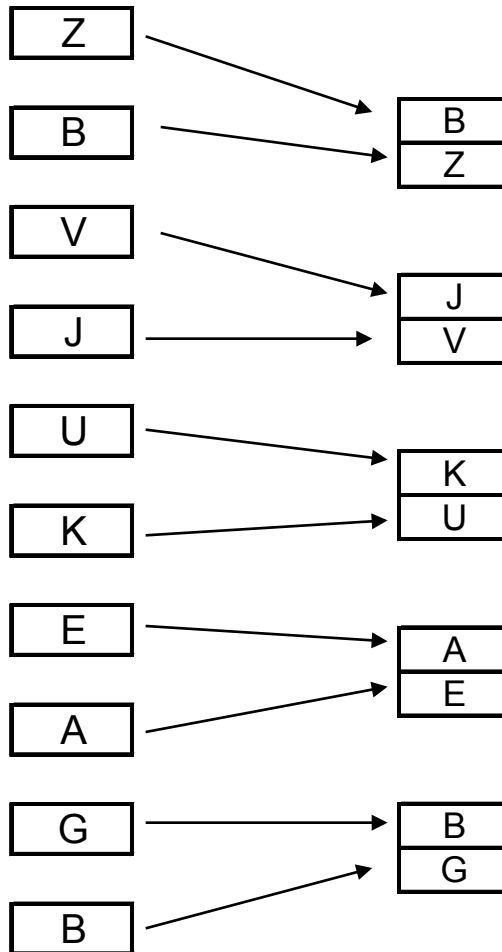
Sépare



Tri d'un block à la fois
Quick Sort



Passe 1



Passe 1

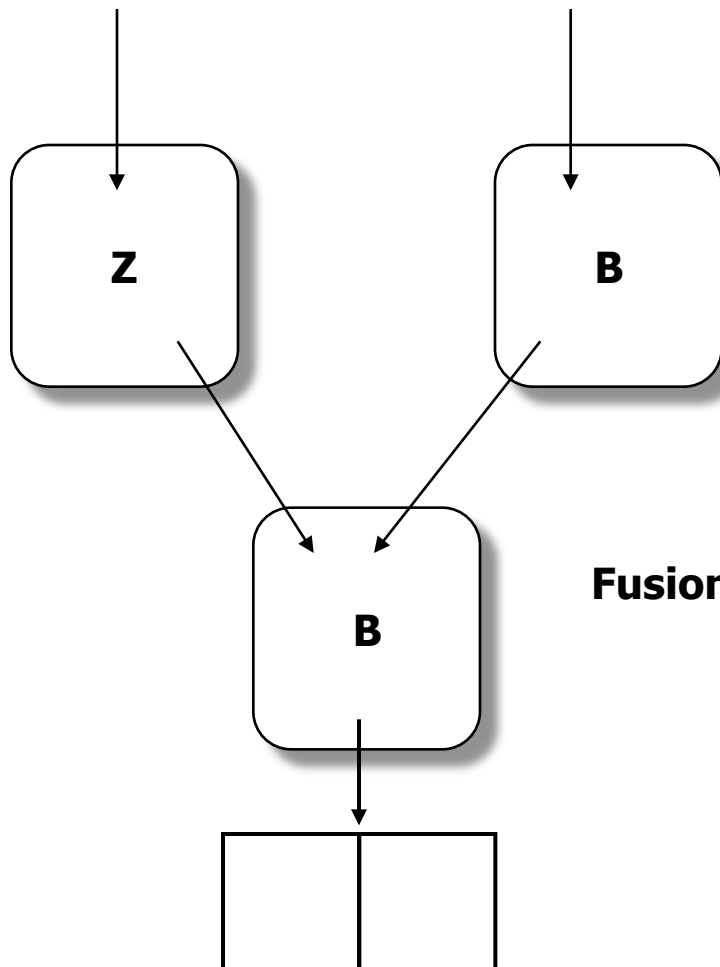
MERGE



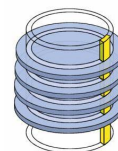
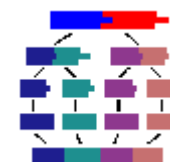
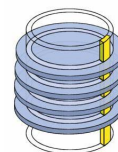
Z B V J U K E A G B

Passe 1

MERGE



Fusion

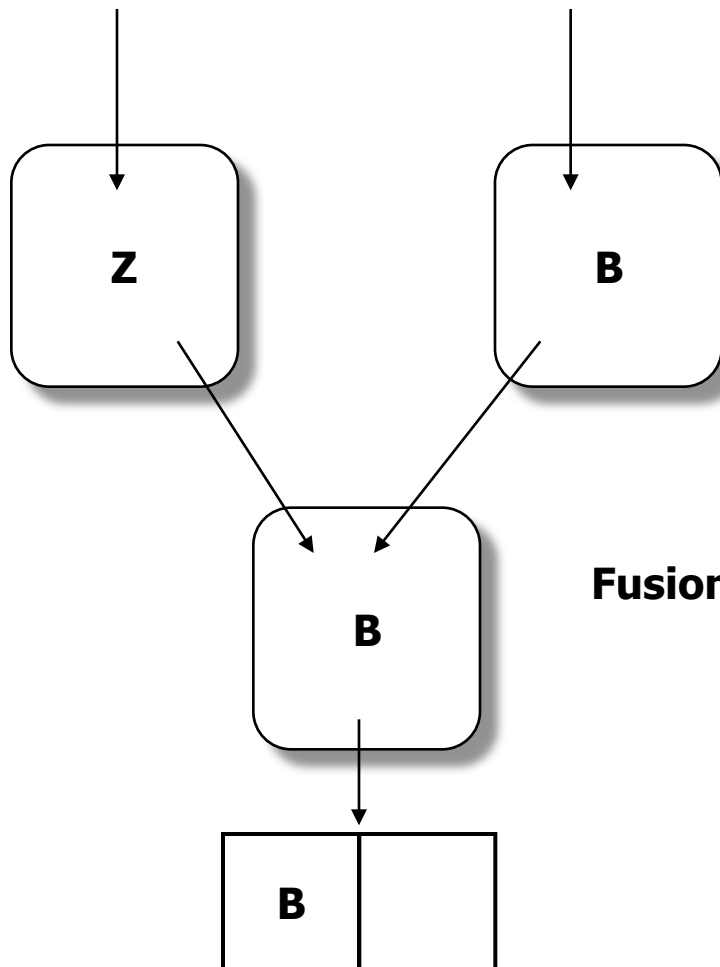




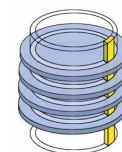
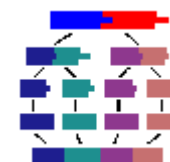
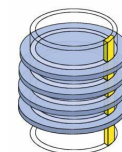
Z B V J U K E A G B

Passe 1

MERGE



Fusion

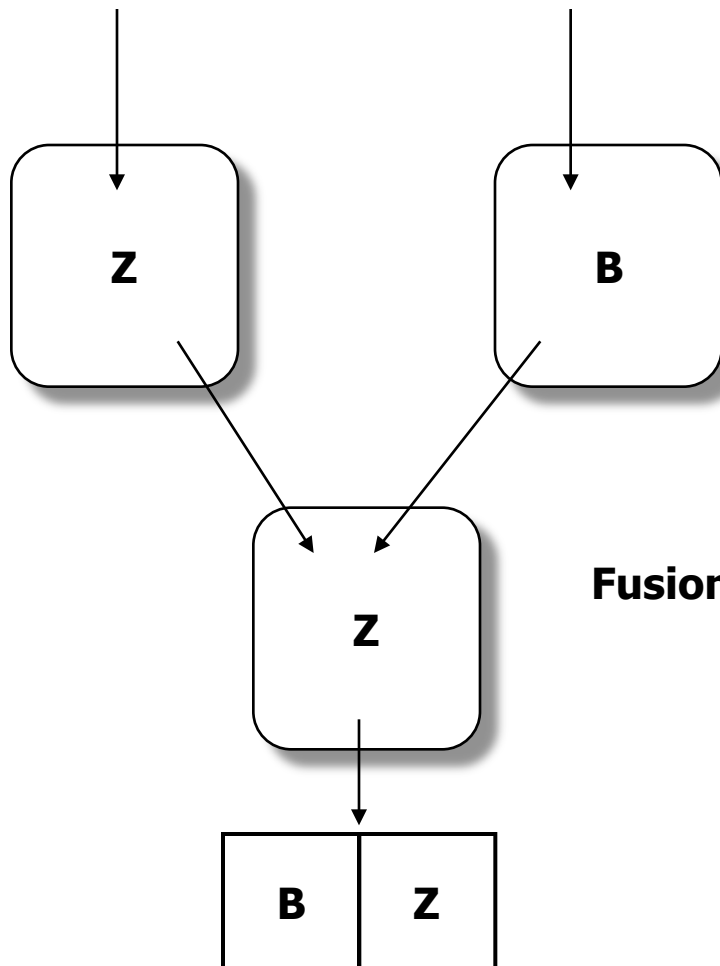




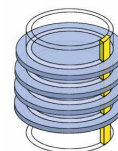
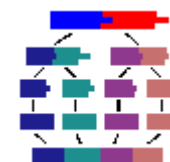
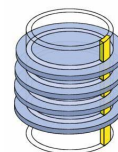
Z B V J U K E A G B

Passe 1

MERGE

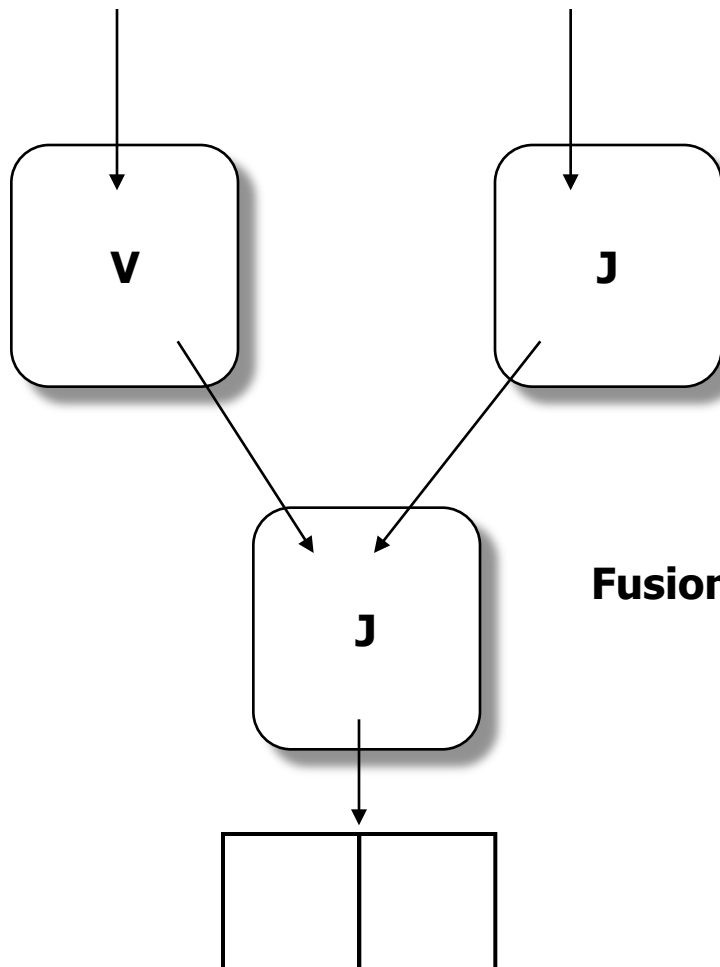


Fusion





Z B V J U K E A G B



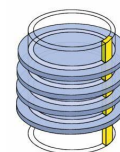
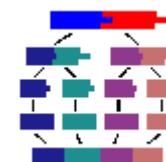
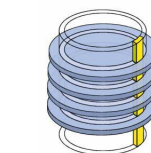
Passe 1

MERGE

Fusion

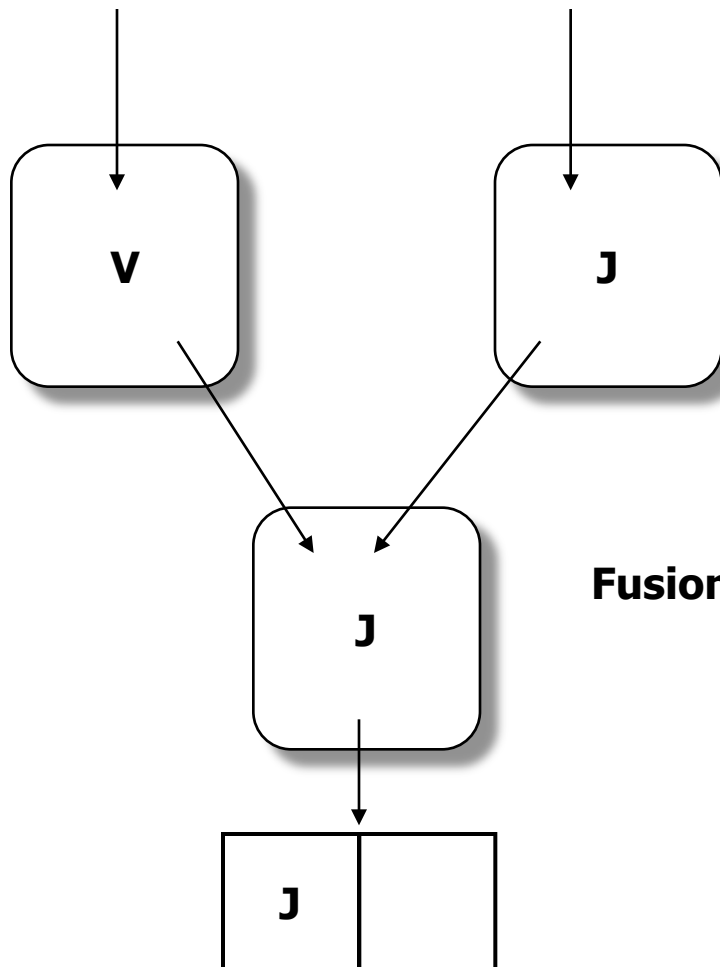
B	Z
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Z B V J U K E A G B



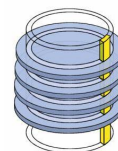
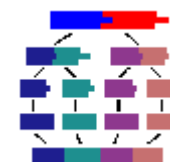
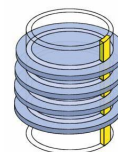
Passe 1

MERGE

Fusion

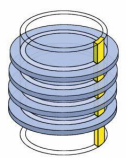
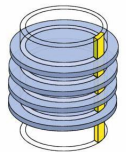
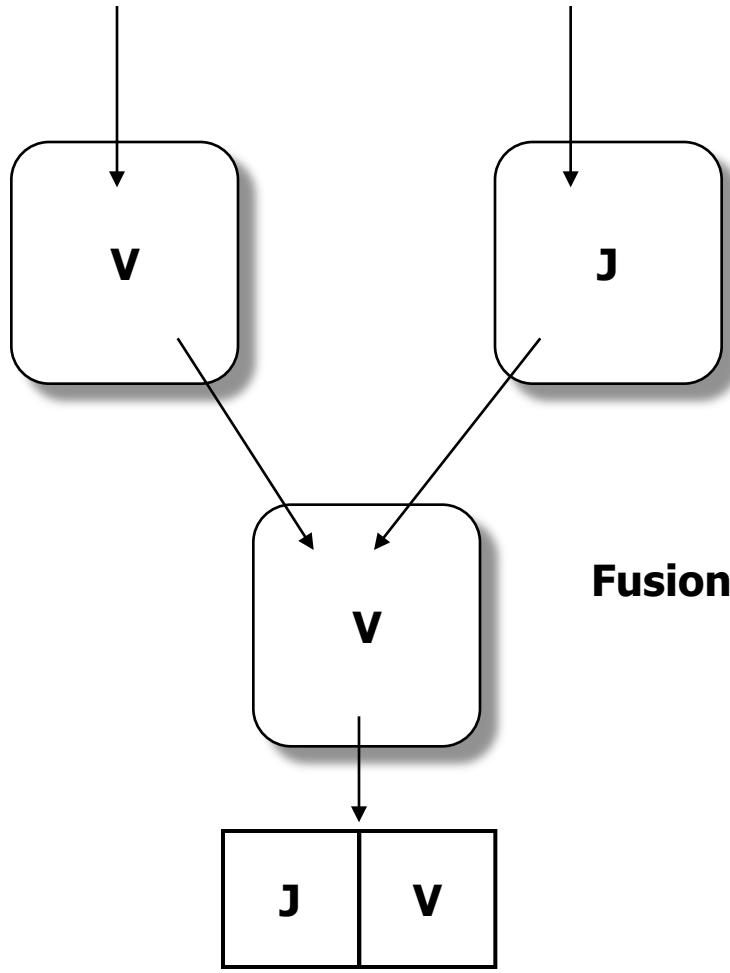
B Z

J





[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

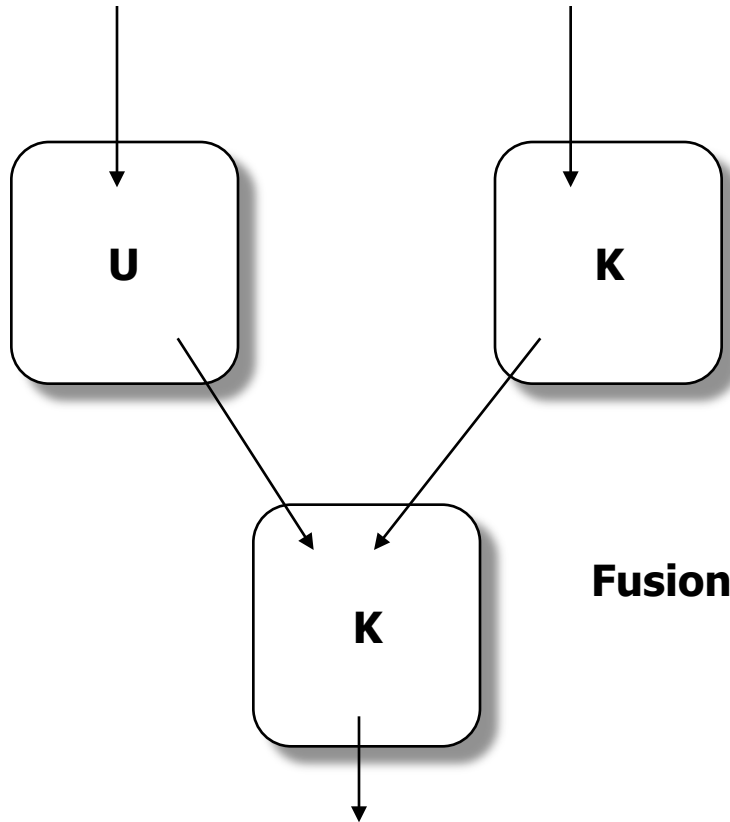
MERGE

B	Z
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J	V
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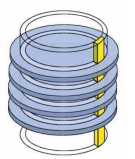
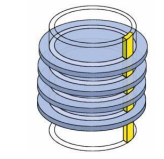
[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

MERGE

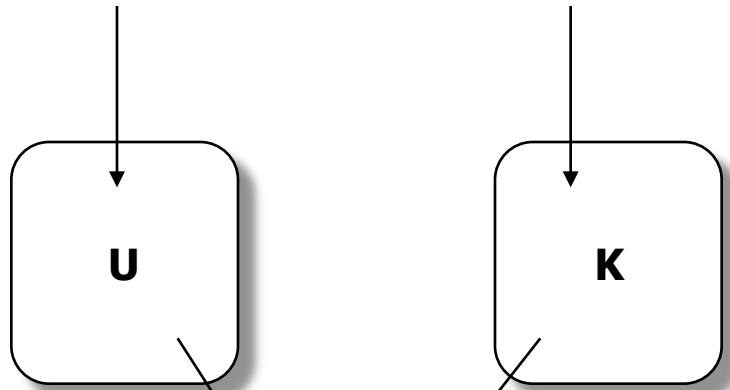
Fusion



B	Z	J	V		
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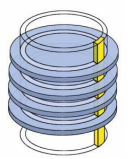
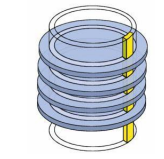
[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

MERGE

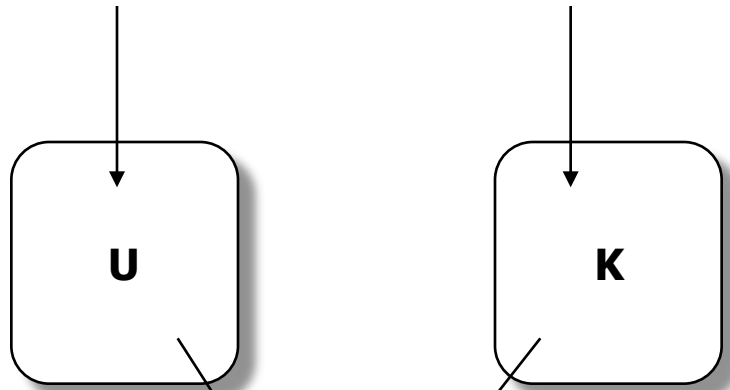
Fusion



B	Z	J	V	K	
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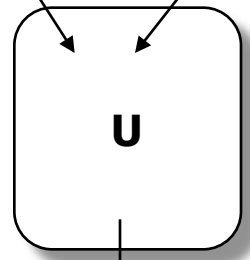


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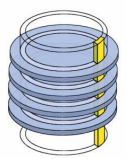
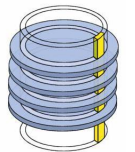
Passe 1

MERGE



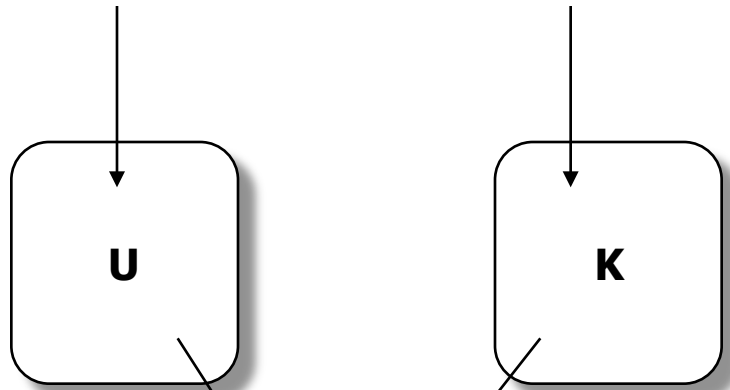
Fusion

B	Z	J	V	K	
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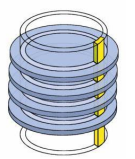
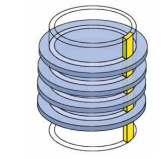
[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

MERGE

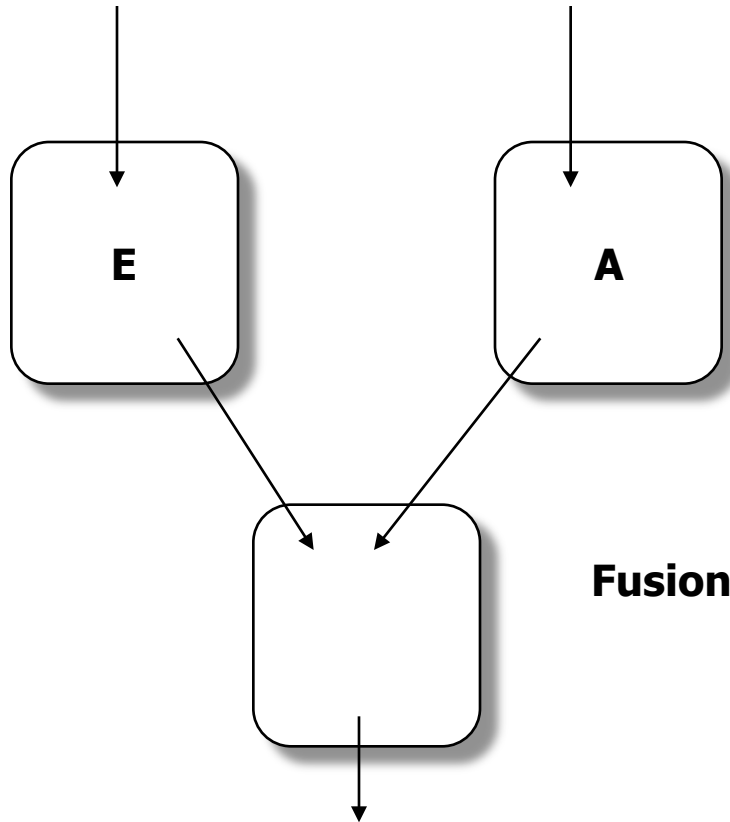
Fusion



[B] [Z] [J] [V] [K] [U]



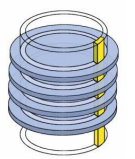
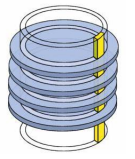
[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

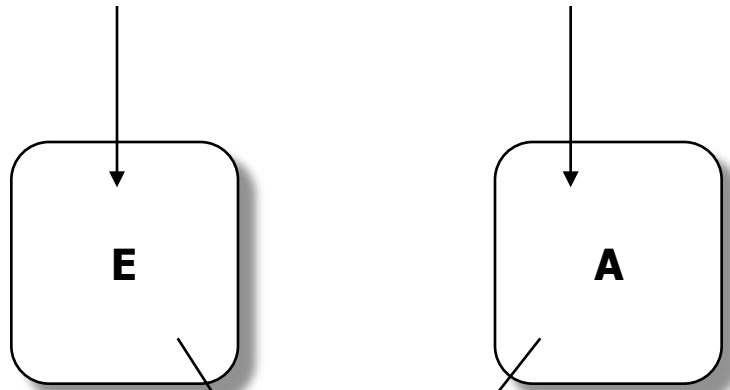
MERGE

Fusion



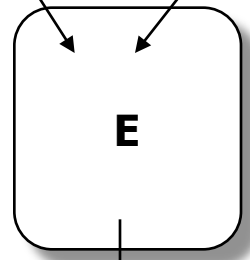


[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]

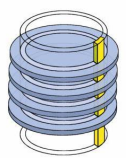
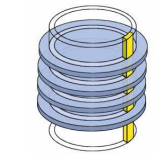


Passe 1

MERGE



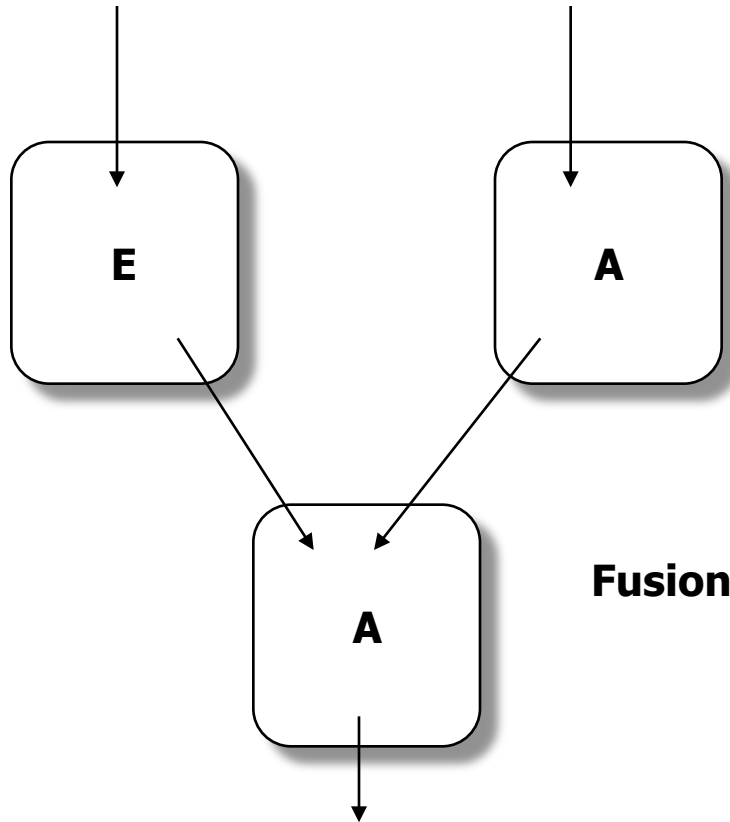
Fusion



B	Z	J	V			K	U
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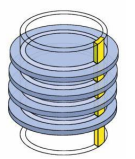
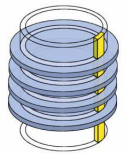
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Passe 1

MERGE

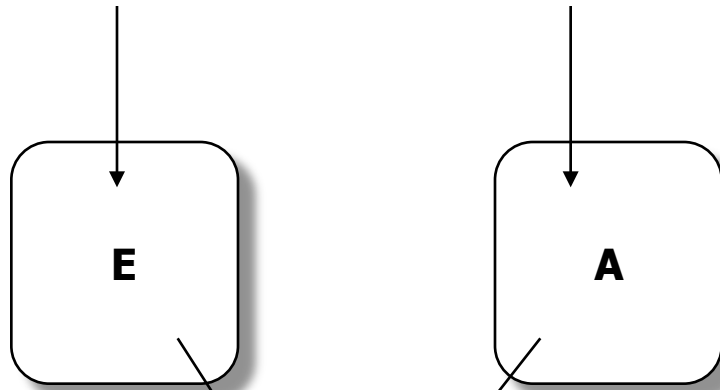
Fusion



B	Z	J	V			K	U
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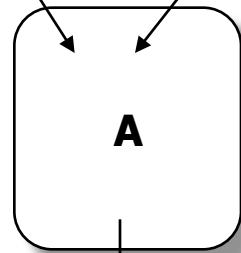


Z B V J U K E A G B



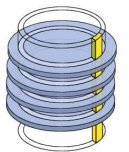
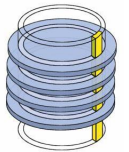
Passe 1

MERGE



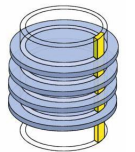
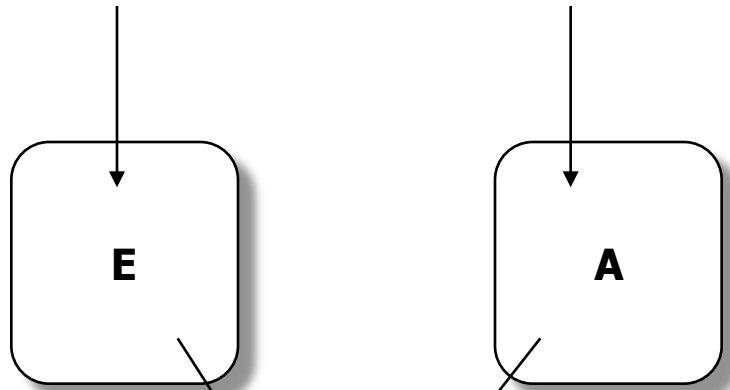
Fusion

B Z J V A K U





[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]

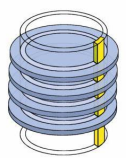
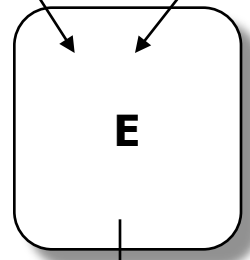


Passe 1

MERGE



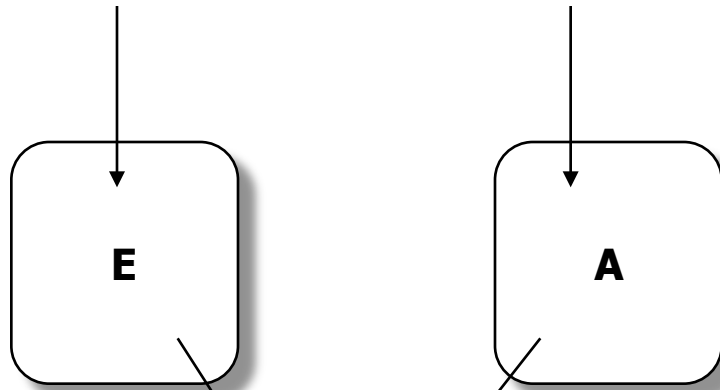
Fusion



[B] [Z] [J] [V] [A] [] [K] [U]



[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]

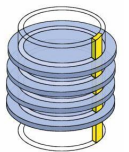
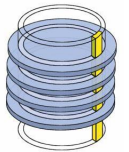
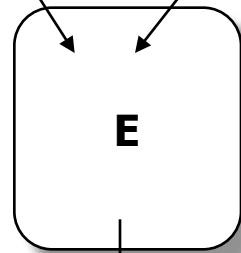


Passe 1

MERGE



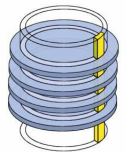
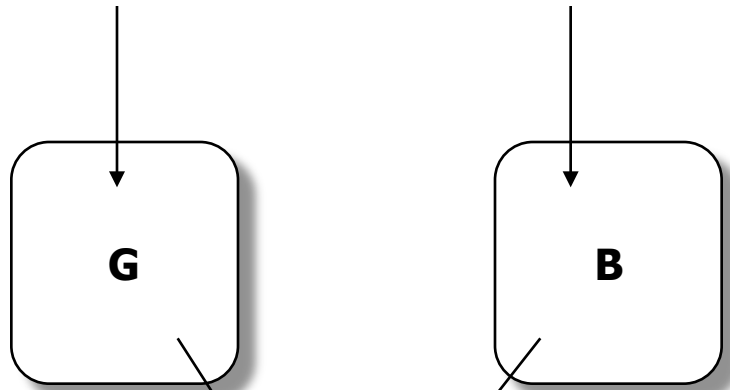
Fusion



[B] [Z] [J] [V] [A] [E] [K] [U]

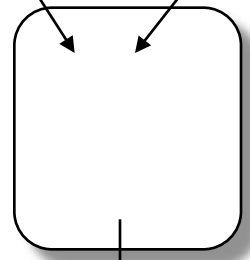


[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]

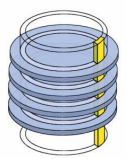


Passe 1

MERGE



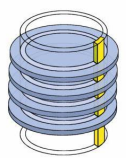
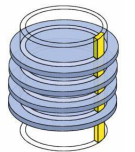
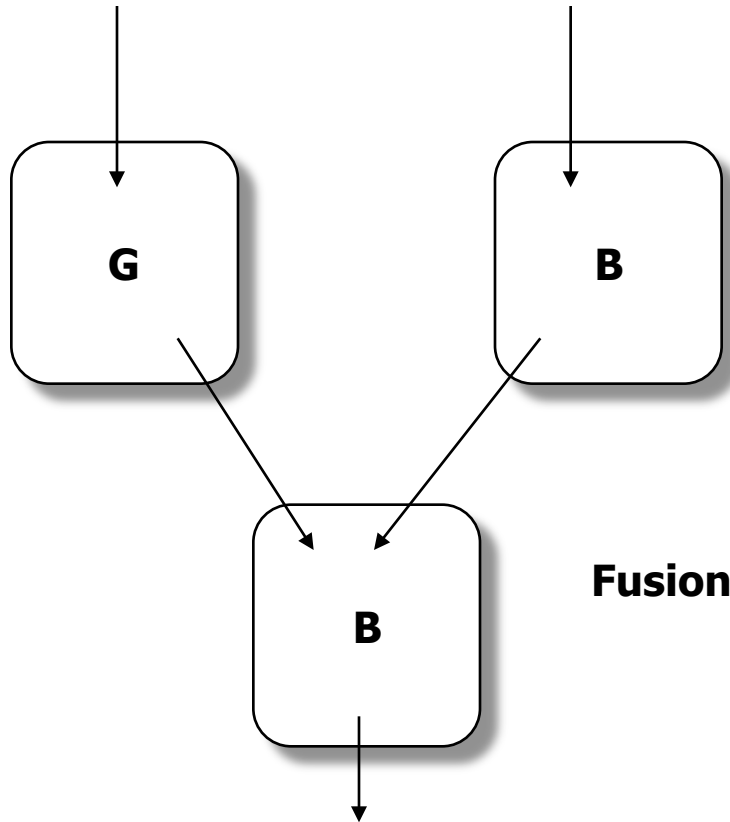
Fusion



[B] [Z] [J] [V] [] [] [K] [U] [A] [E]



[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

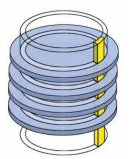
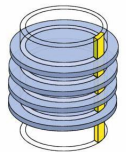
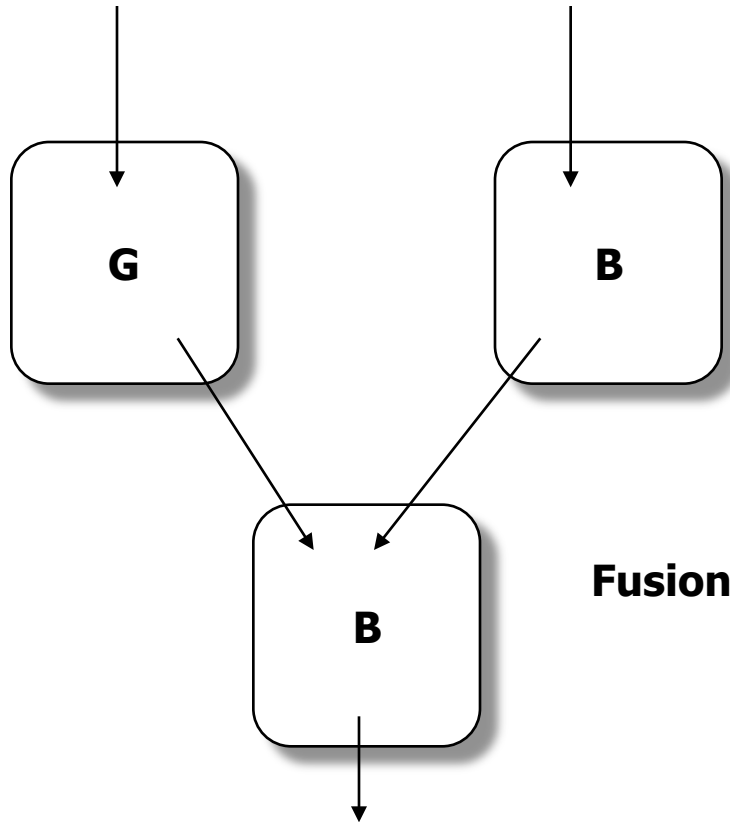
MERGE

Fusion

[B] [Z] [J] [V] [] [] [K] [U] [A] [E]



[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

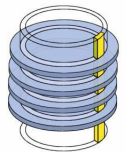
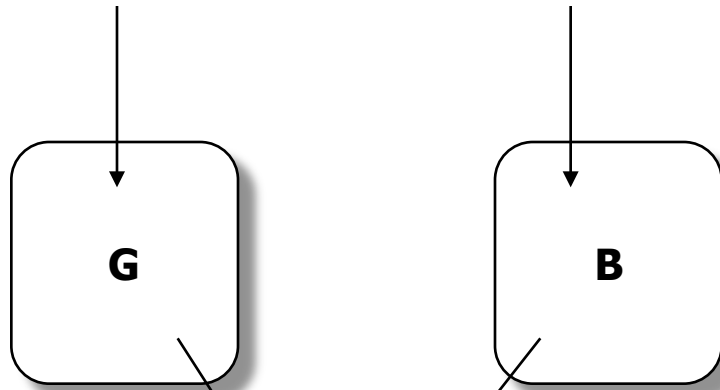
MERGE

Fusion

[B] [Z] [J] [V] [B] [K] [U] [A] [E]

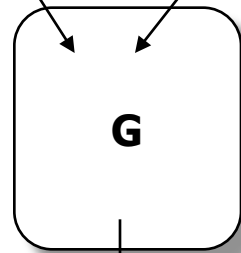


[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

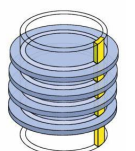
MERGE



Fusion

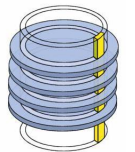
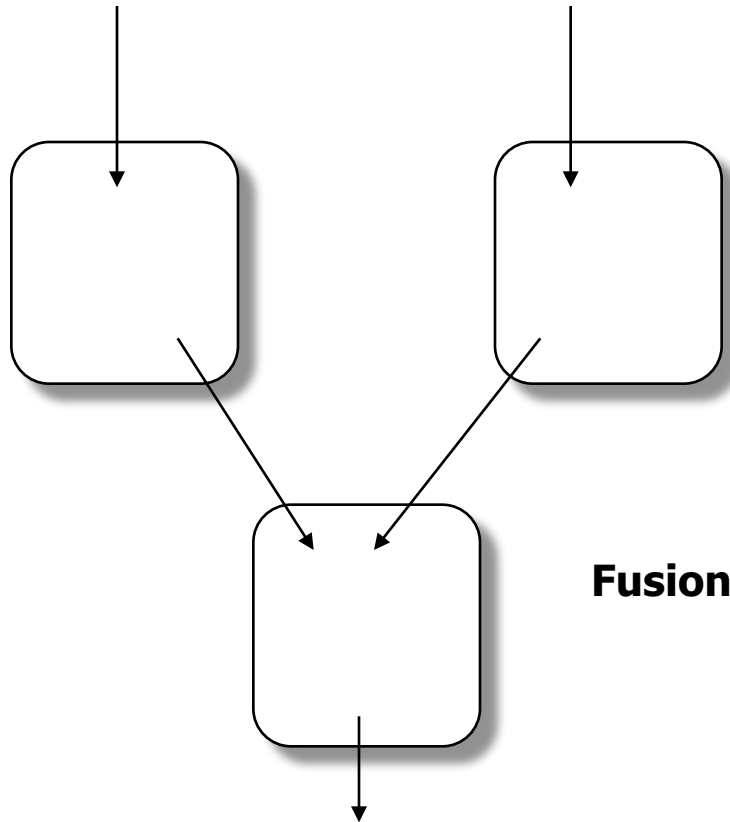


[B] [Z] [J] [V] [B] [G] [K] [U] [A] [E]





Z B V J U K E A G B



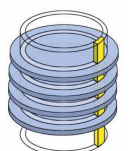
Passe 1

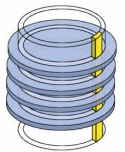
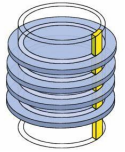
MERGE



Fusion

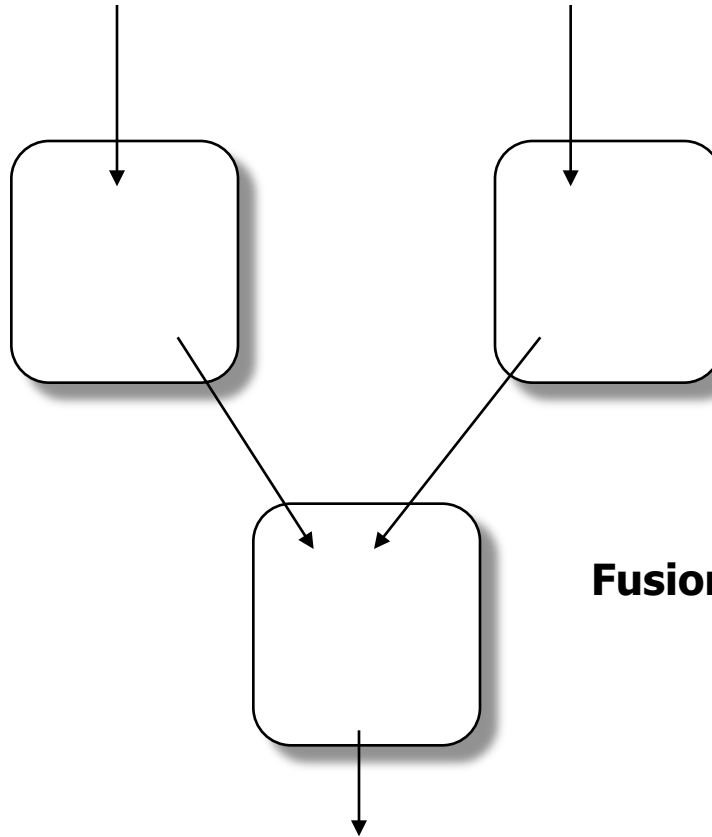
B Z J V K U A E B G





Passe 2

MERGE



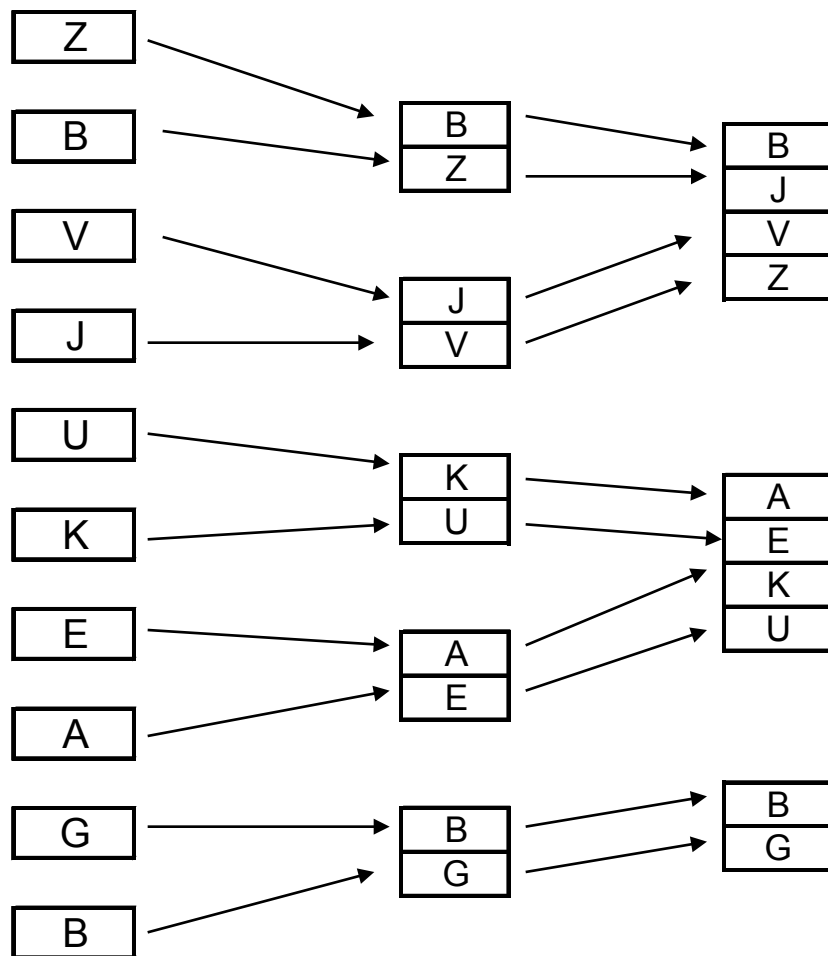
Fusion





Passe 1

Passe 2



MERGE