

Architectures des Systèmes 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

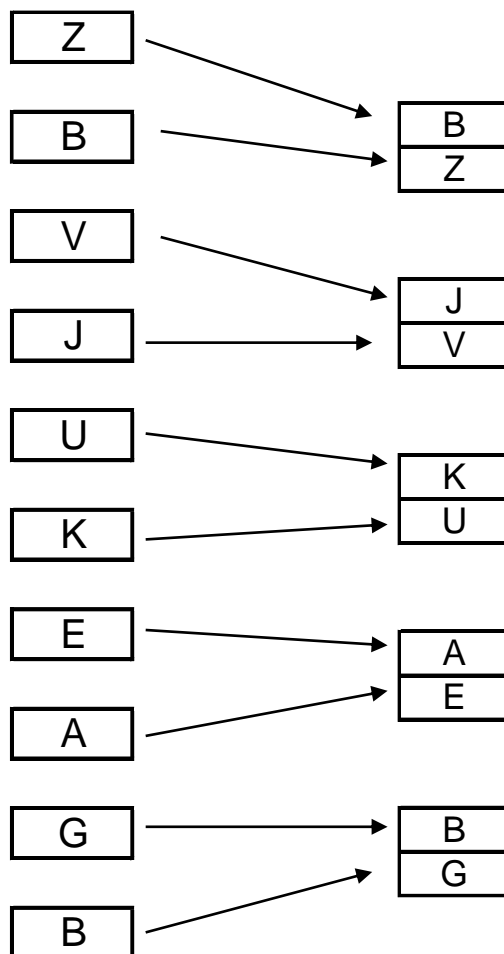
B

Sépare





Passe 1



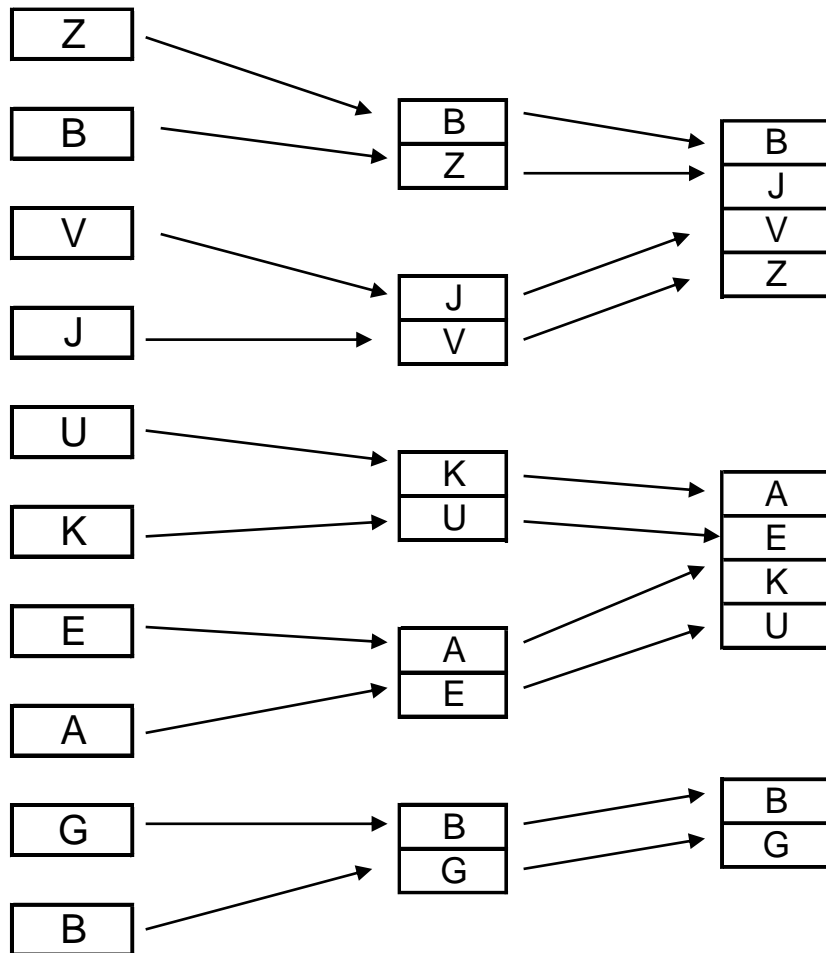
Passe 1



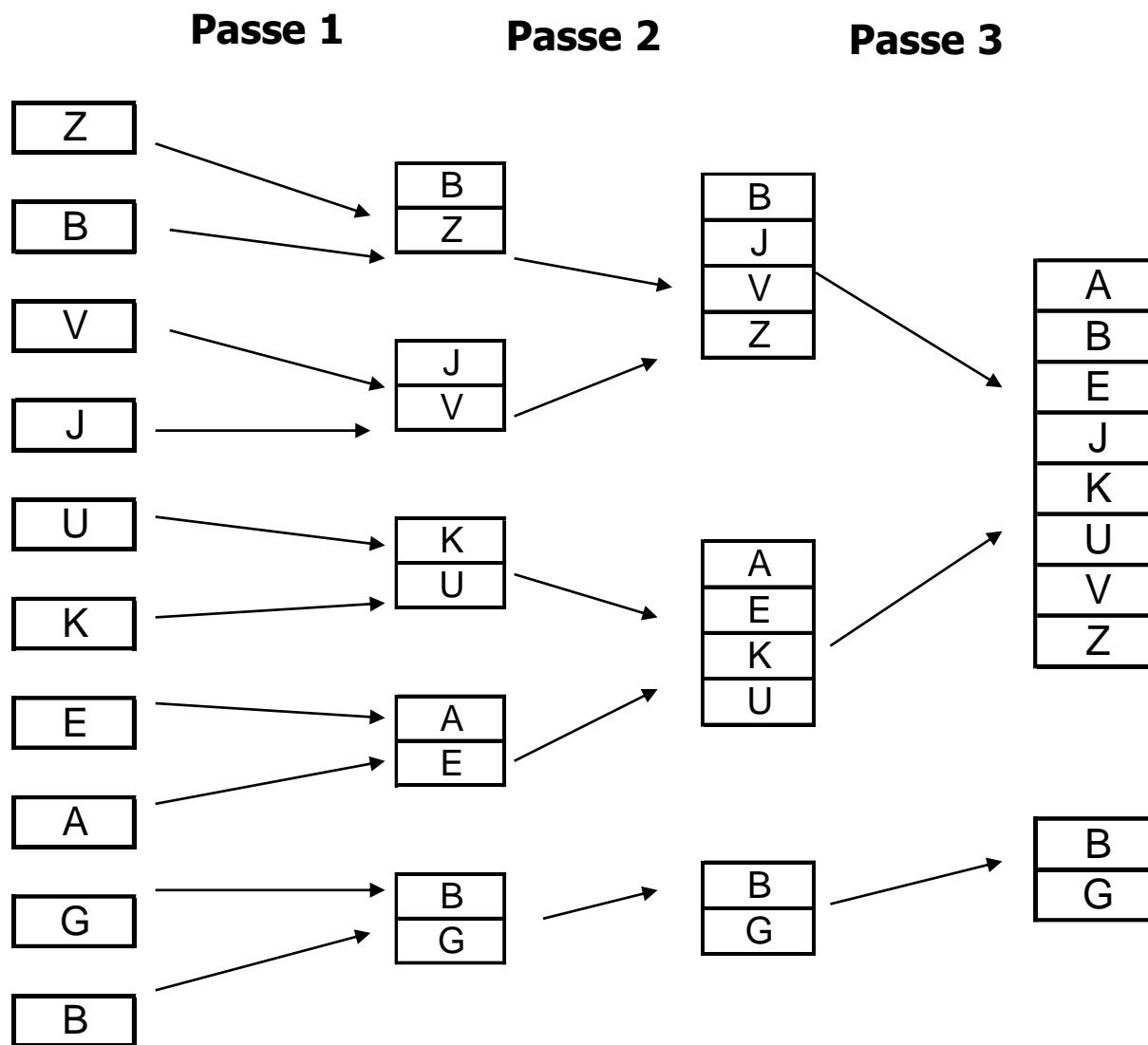


Passe 1

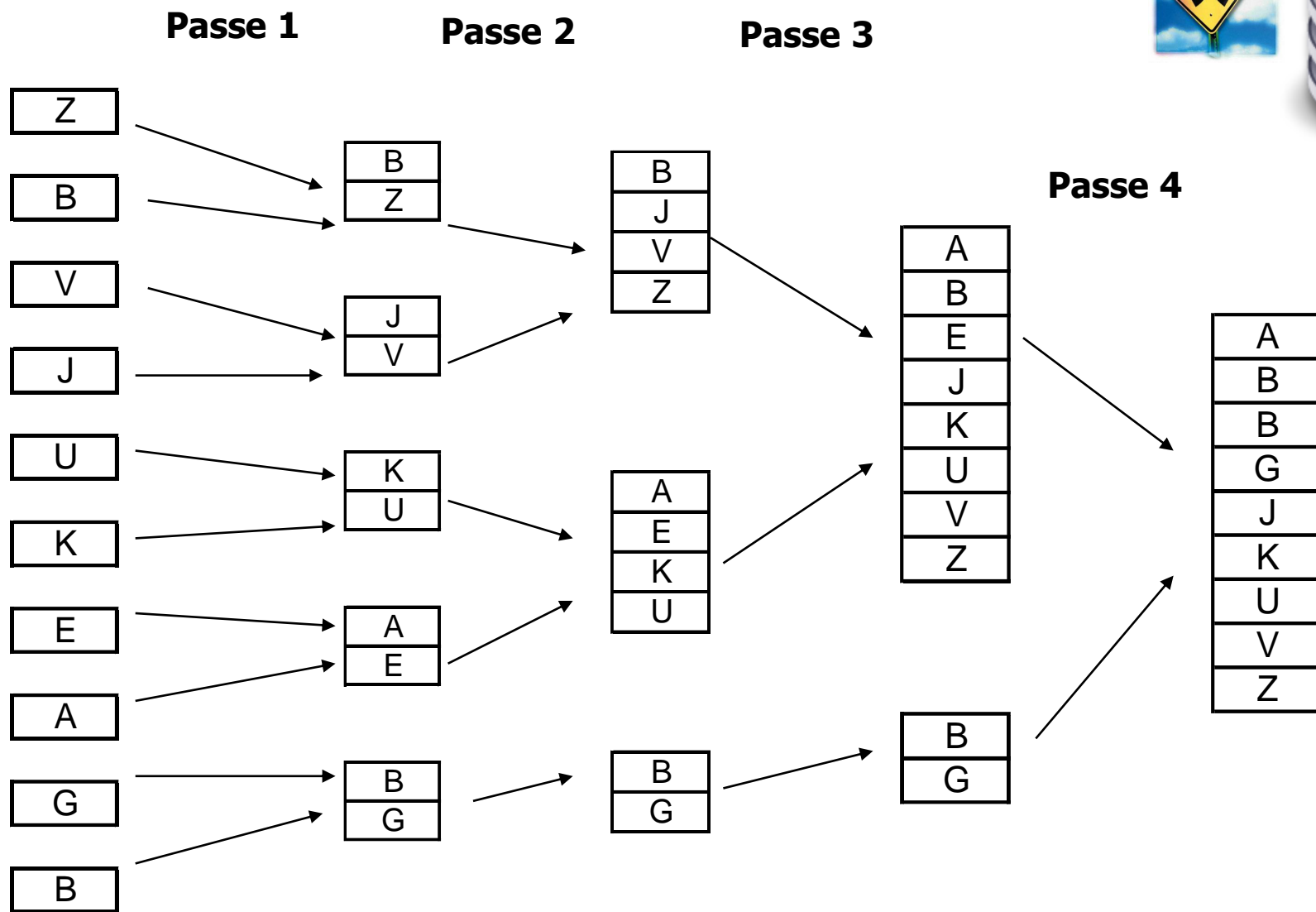
Passe 2



MERGE



MERGE

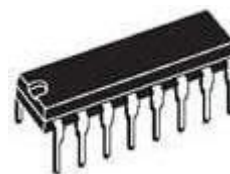
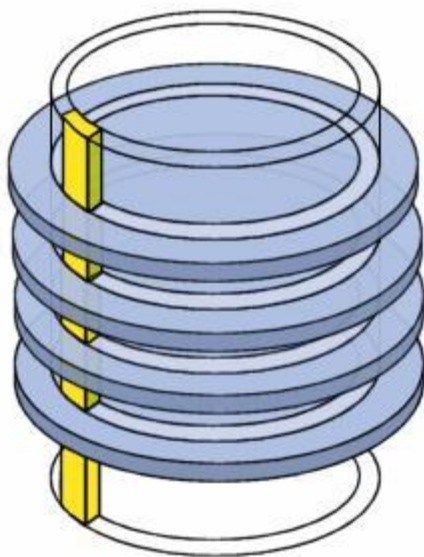


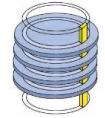
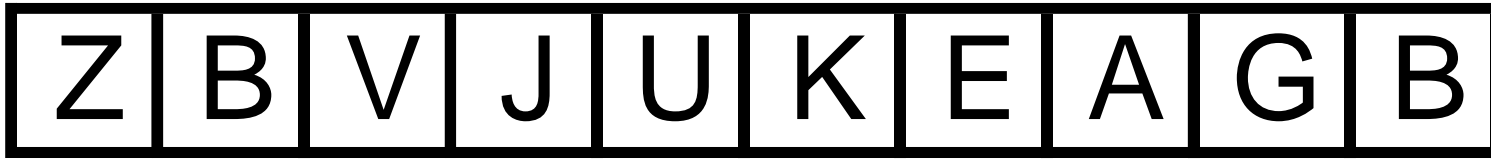
MERGE



Disque

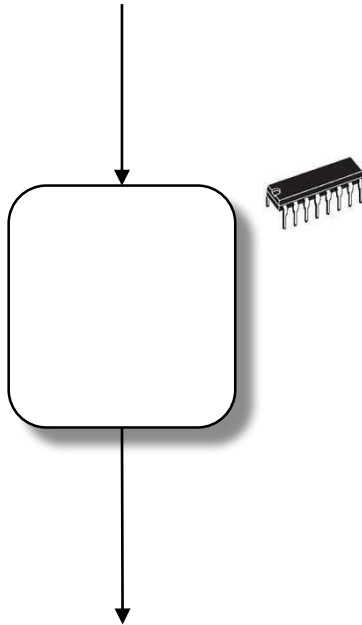
Mémoire



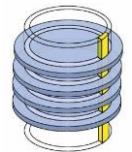


Passe 0

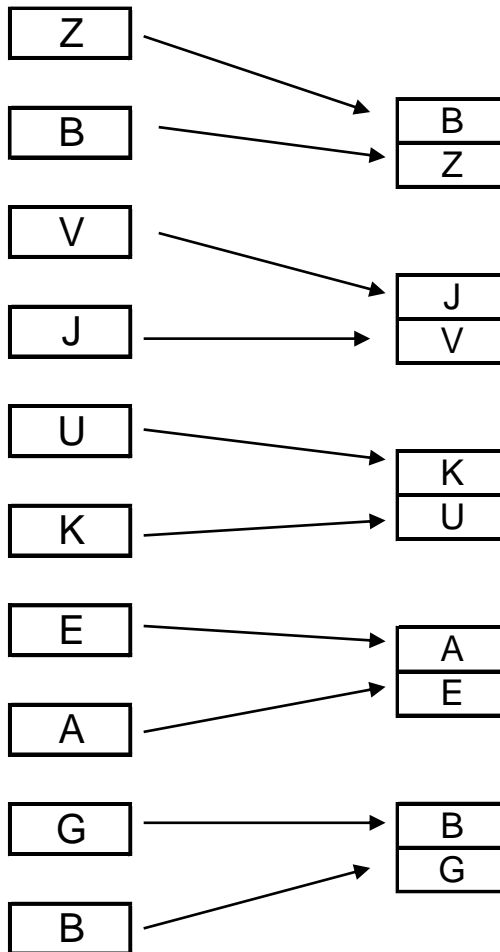
Sépare



Tri d'un block à la fois
Quick Sort



Passe 1

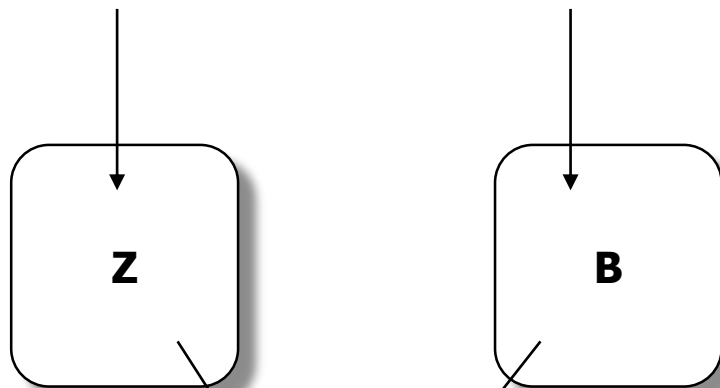


Passe 1

MERGE

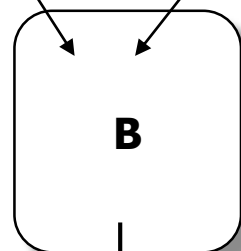


Z B V J U K E A G B

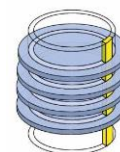
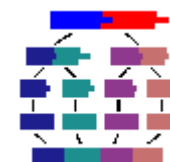
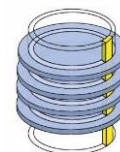


Passe 1

MERGE

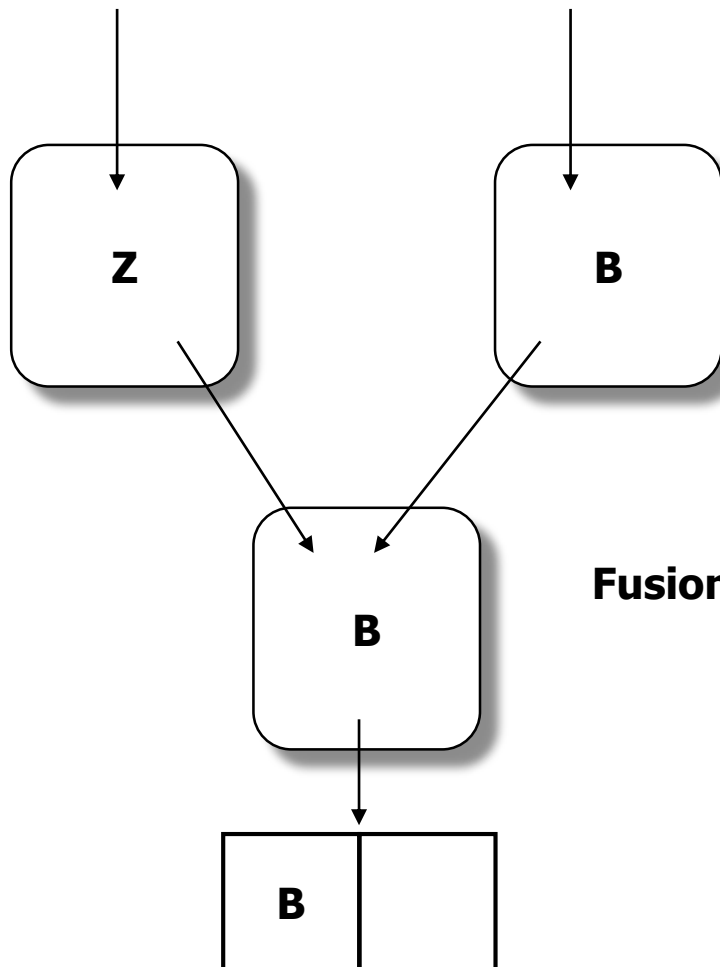


Fusion





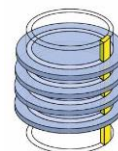
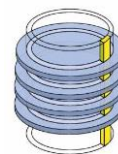
Z B V J U K E A G B



Passe 1

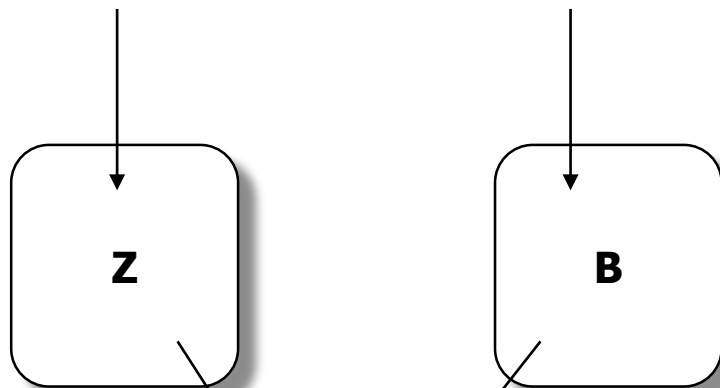
MERGE

Fusion



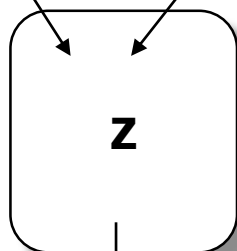


Z B V J U K E A G B

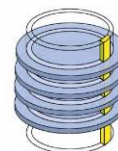
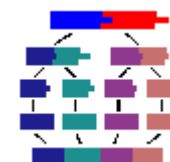
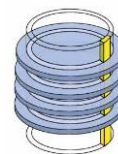
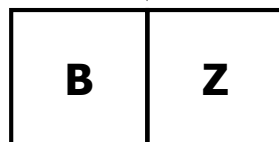


Passe 1

MERGE

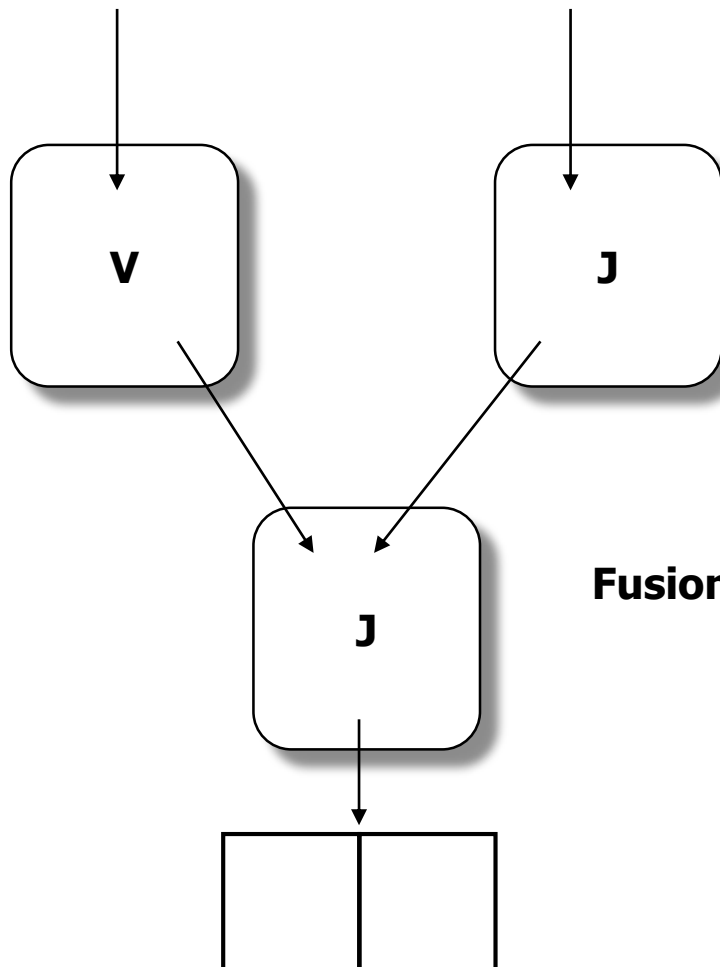


Fusion





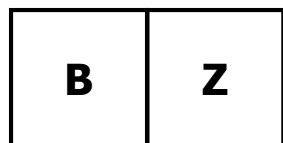
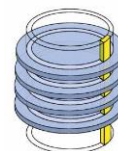
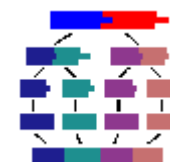
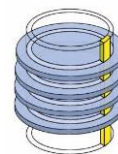
[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]



Passe 1

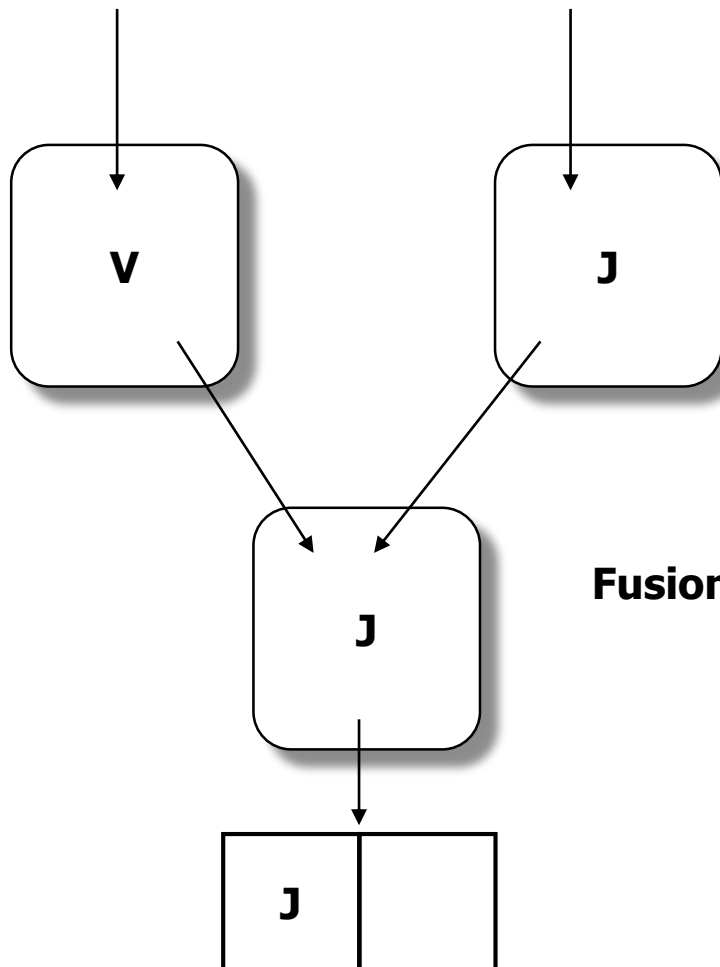


Fusion





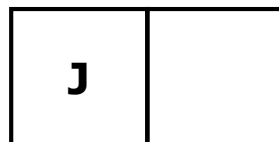
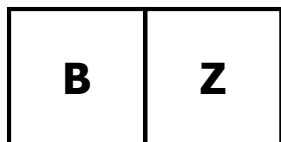
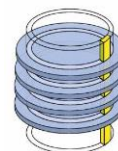
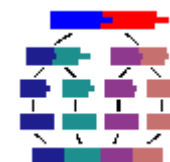
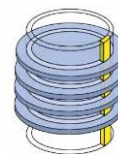
Z B V J U K E A G B



Passe 1

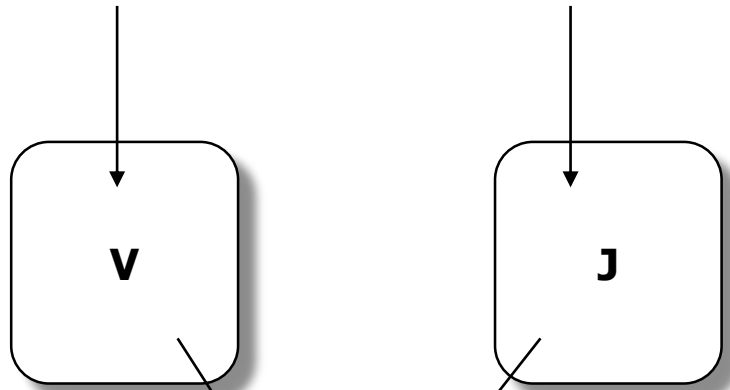
MERGE

Fusion





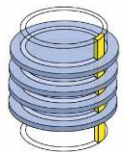
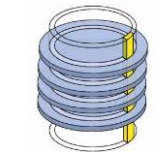
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Passe 1

MERGE

Fusion

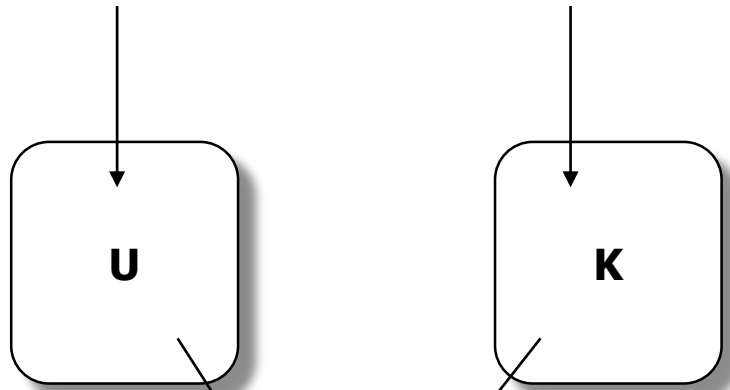


B Z

J v

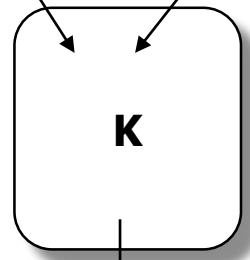


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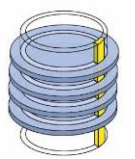
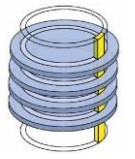
Passe 1

MERGE



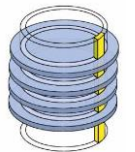
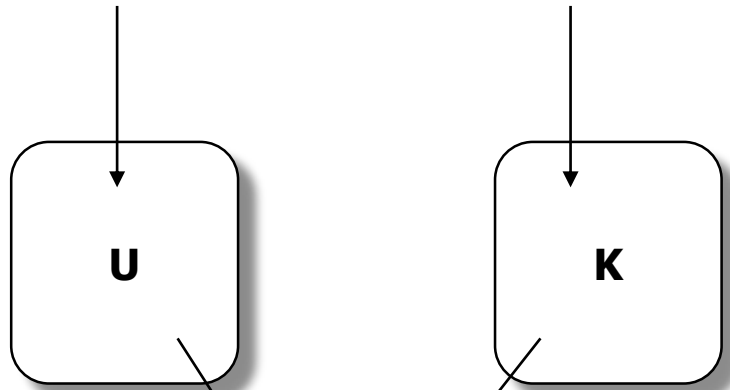
Fusion

[B] [Z] [J] [V] [] []





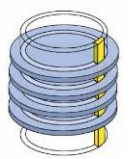
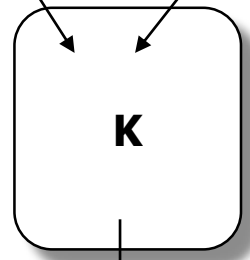
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Passe 1

MERGE

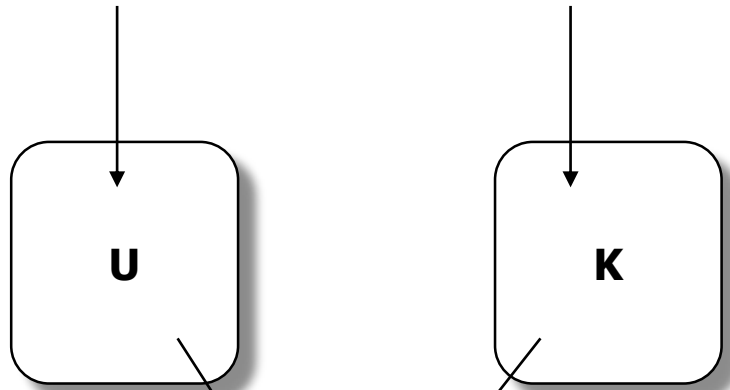
Fusion



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



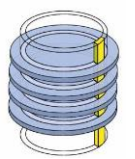
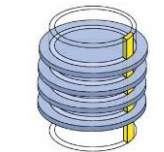
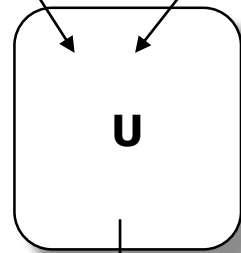
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Passe 1

MERGE

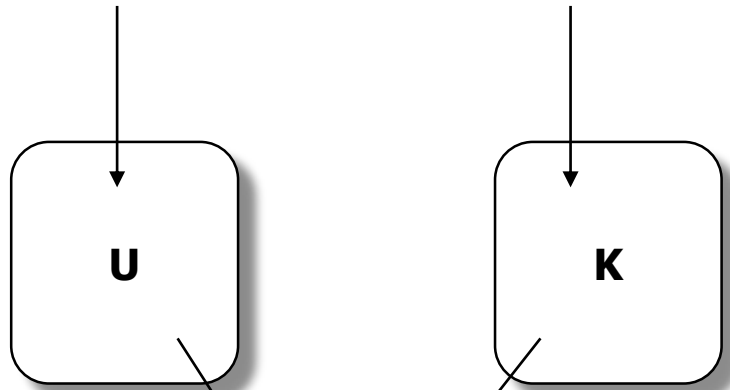
Fusion



B	Z	J	V	K	
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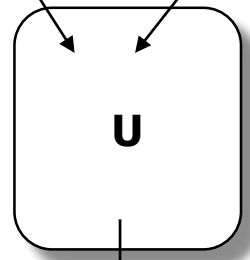


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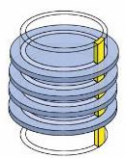
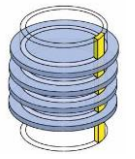
Passe 1

MERGE



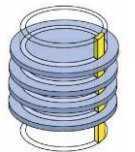
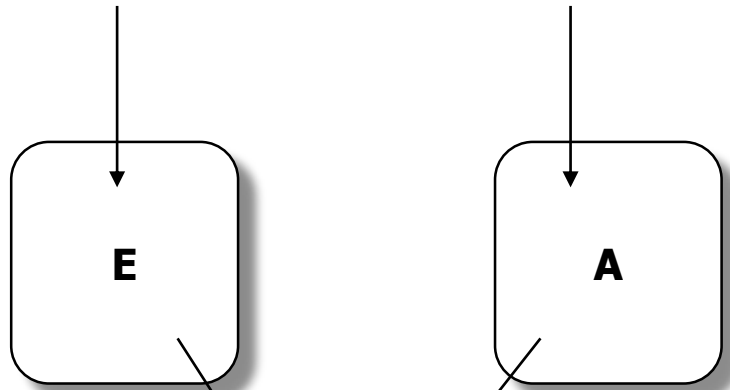
Fusion

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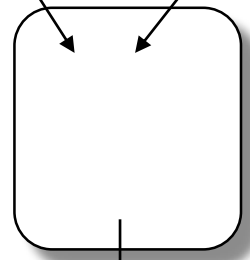


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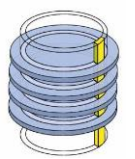


Passe 1

MERGE



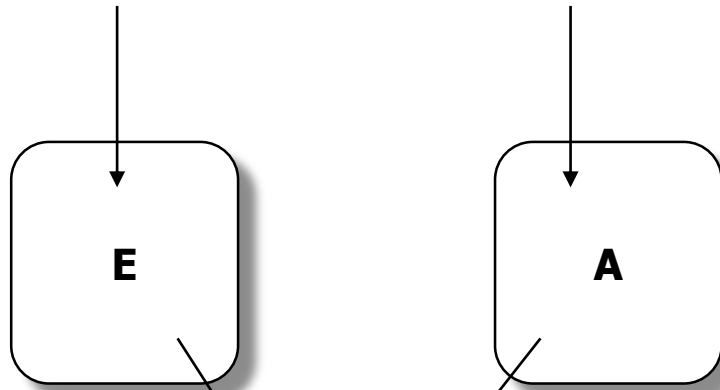
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[B] [Z] [J] [V] [] [] [K] [U]

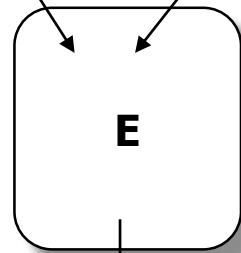


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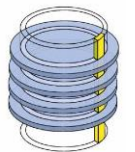
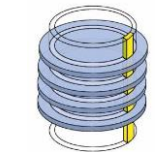


Passe 1

MERGE



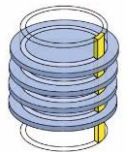
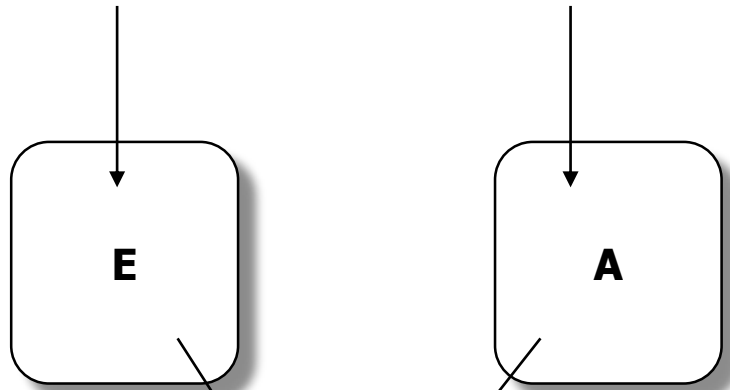
Fusion



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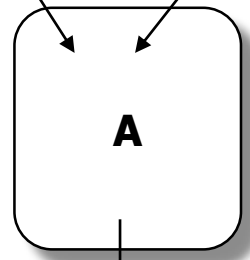


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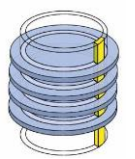


Passe 1

MERGE



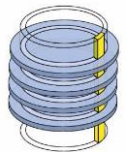
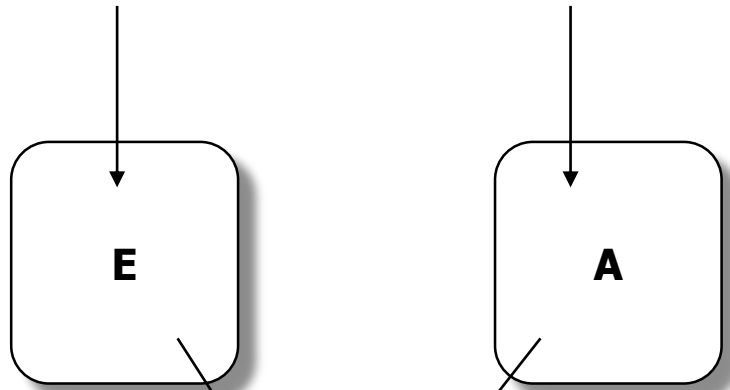
Fusion



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



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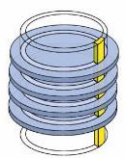
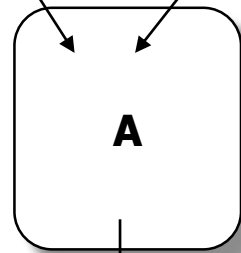


Passe 1

MERGE



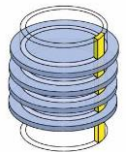
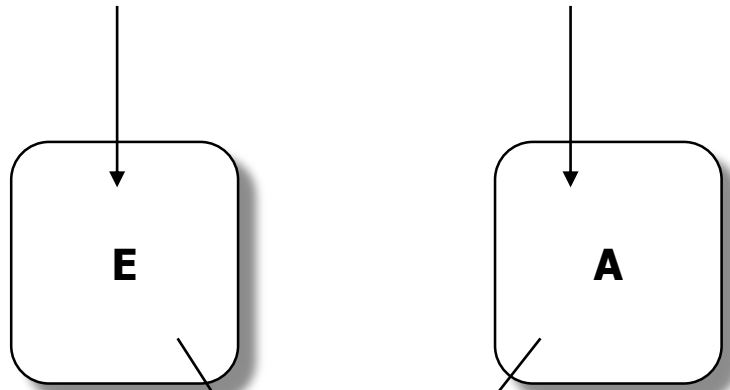
Fusion



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



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

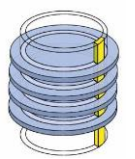
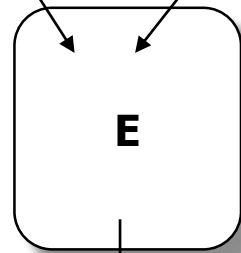


Passe 1

MERGE



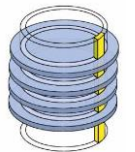
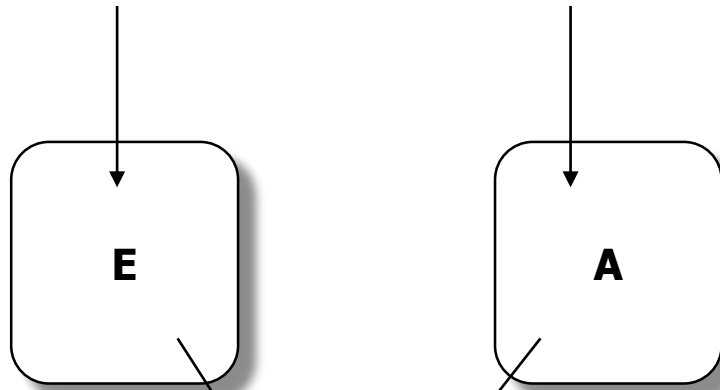
Fusion



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

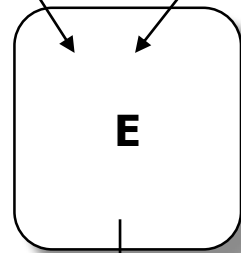


[Z] [B] [V] [J] [U] [K] [E] [A] [G] [B]

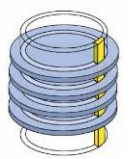


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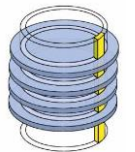
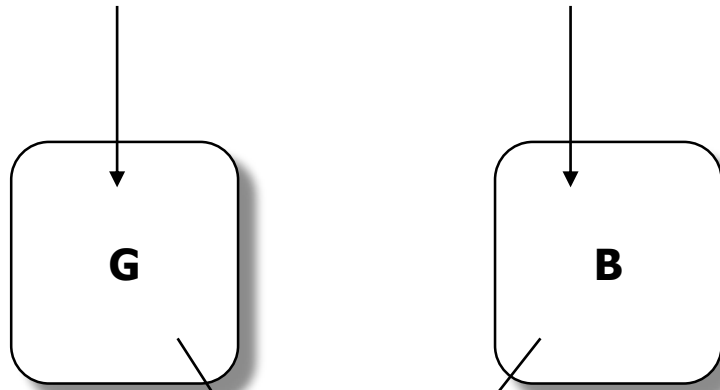
Fusion



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

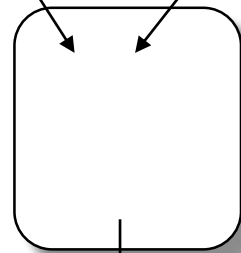


Z B V J U K E A G B

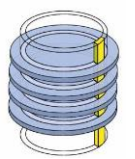


Passe 1

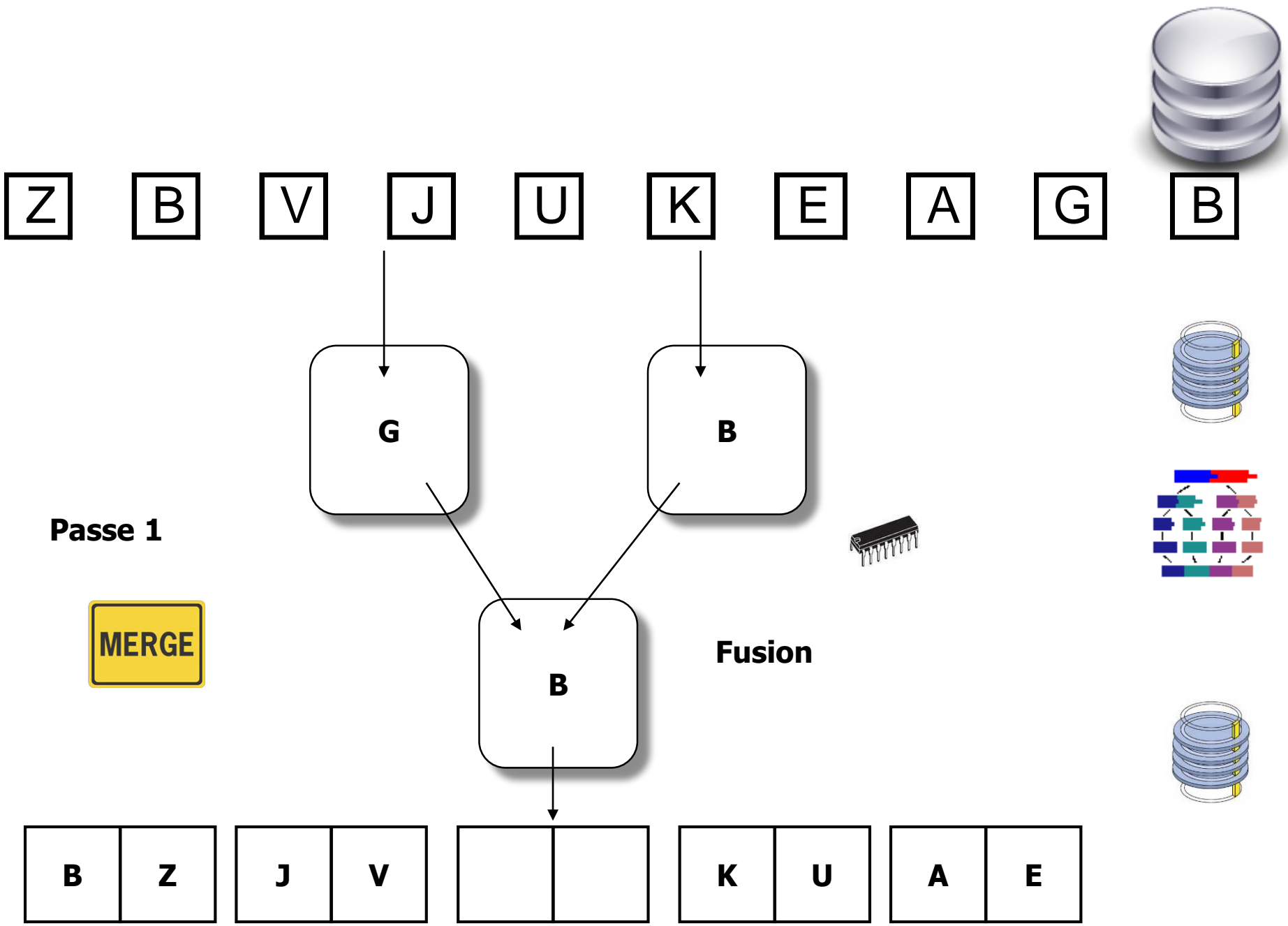
MERGE



Fusion

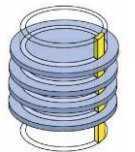
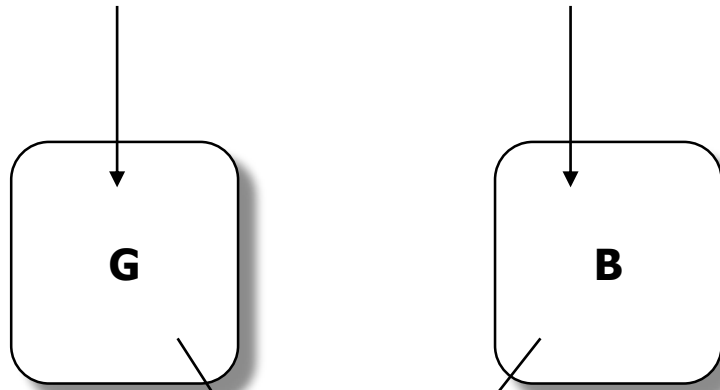


B Z J V K U A E



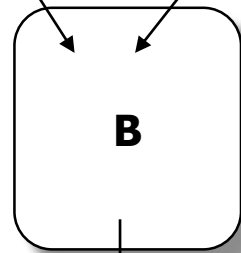


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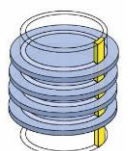


Passe 1

MERGE



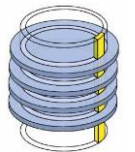
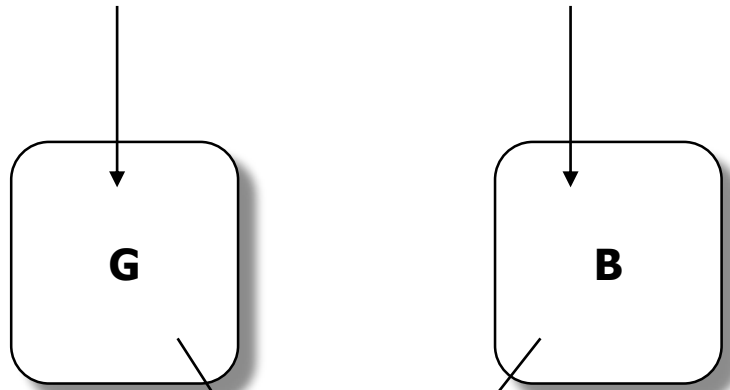
Fusion



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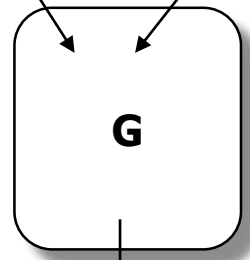


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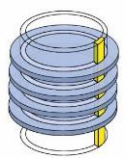


Passe 1

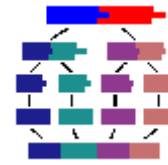
MERGE



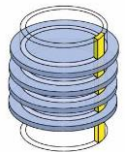
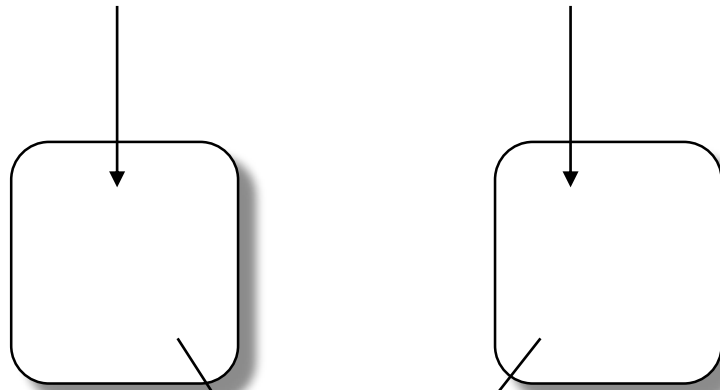
Fusion



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



Z B V J U K E A G B

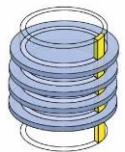
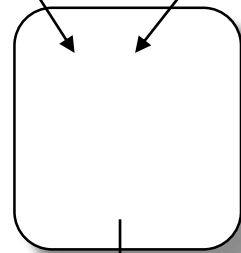


Passe 1

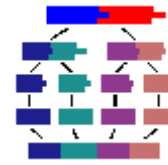
MERGE



Fusion

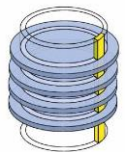
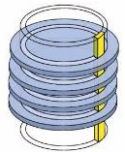
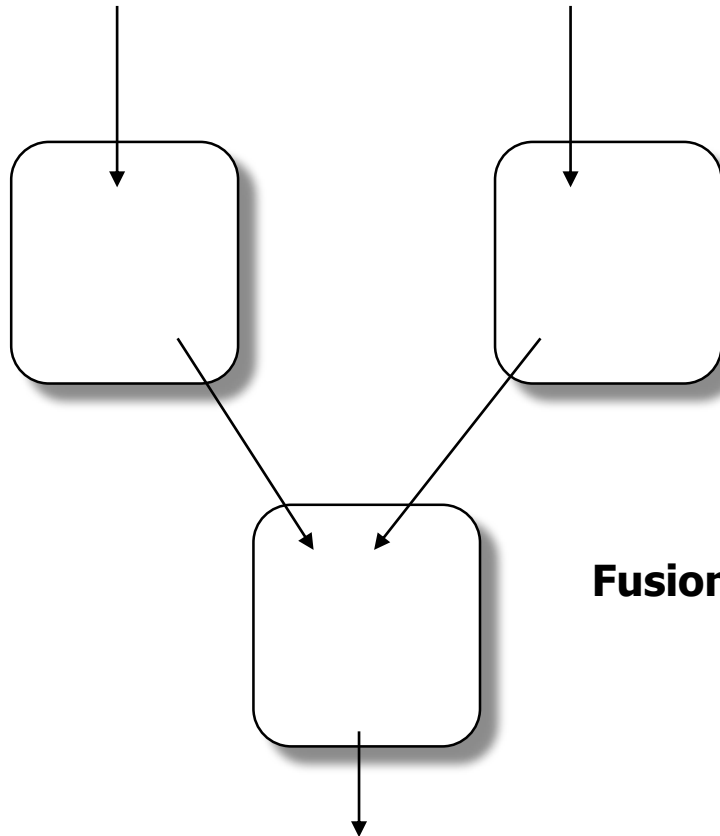


B Z J V K U A E B G



Passe 2

MERGE



B	Z	J	V	K	U	A	E	B	G
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Passe 1

Passe 2

