

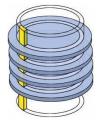




Conception Avancée de Bases de Données

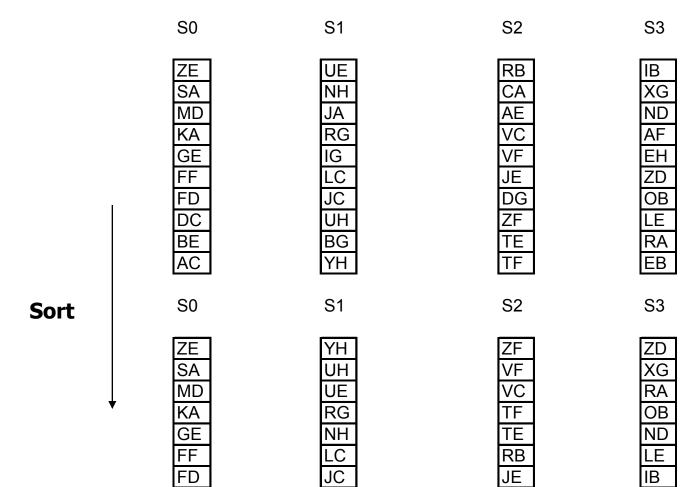
"Disk" Merge join External Sort Merge

Exemple pass 1 : MERGE





Pass 0: 1 block run sorterd



BG







EH EB



S0	
ZE	
SA	ĺ
MD	ĺ
KA	ĺ
GE	ĺ
FF	
FD	ĺ
DC	
BE	
AC	

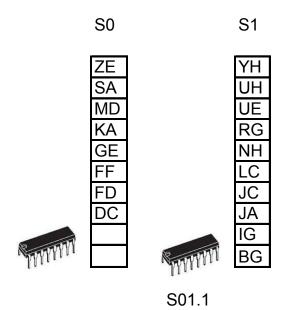


Étape S01.1

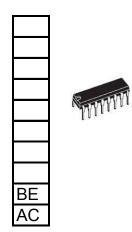


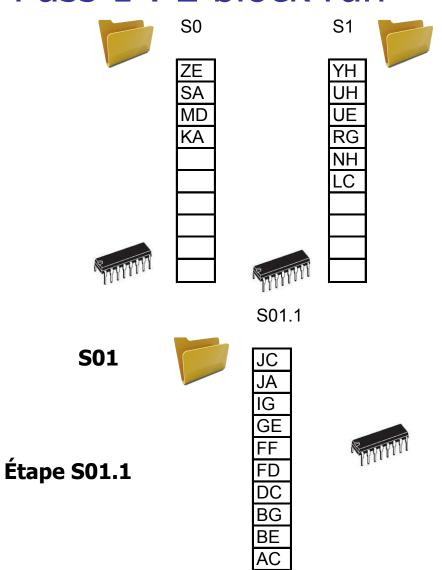
S01.1



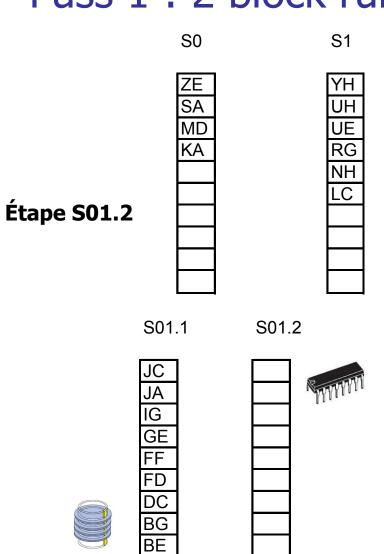


Étape S01.1













S0

S1

ZE SA

Étape S01.2

MD

ΥH

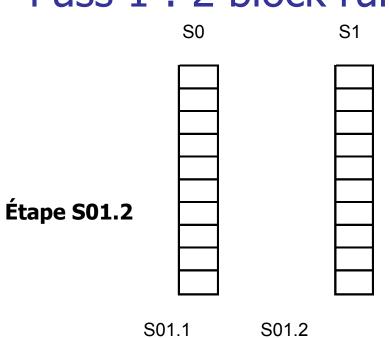
S01.1

S01.2

JA IG



RG NH MD

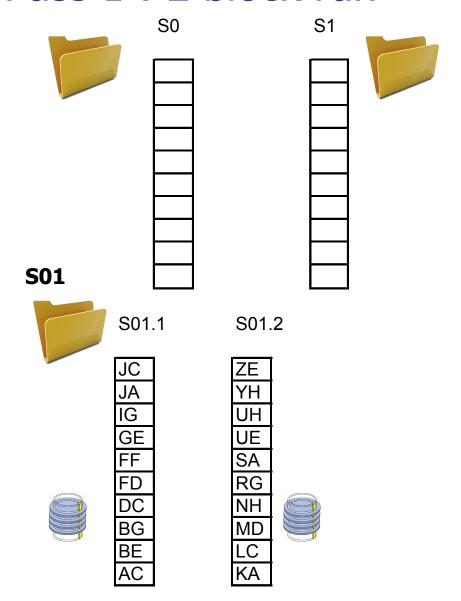


JC JA IG GE FF

GE FF DC BG BE AC











Run 01

S	801.1		S01.2			
8 J 7 C 5 F 4 F 3 C	E F		18 17 16	ZE YH UH UE SA RG NH MD LC		
1 0 <u>C</u>	``	ш	וטו	I V		



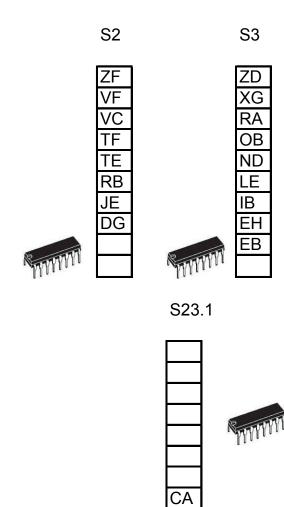
S2	
ZF	
VF	
VC	
TF	
TE	
RB	
JE	
DG	
CA	
AE	



S23.1

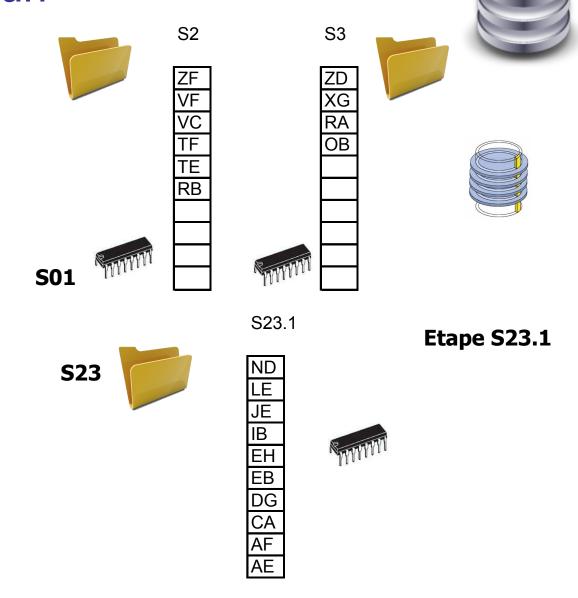
Etape S23.1





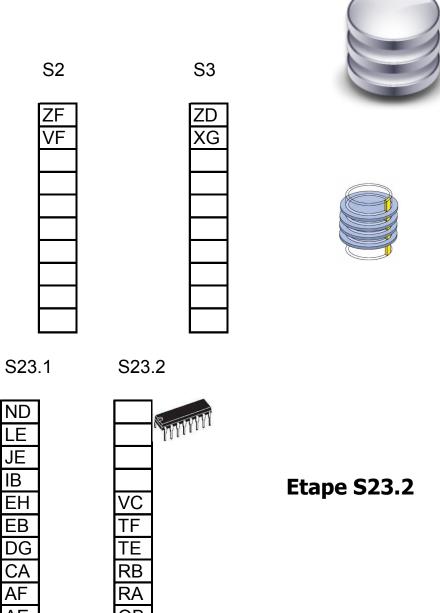


Etape S23.1

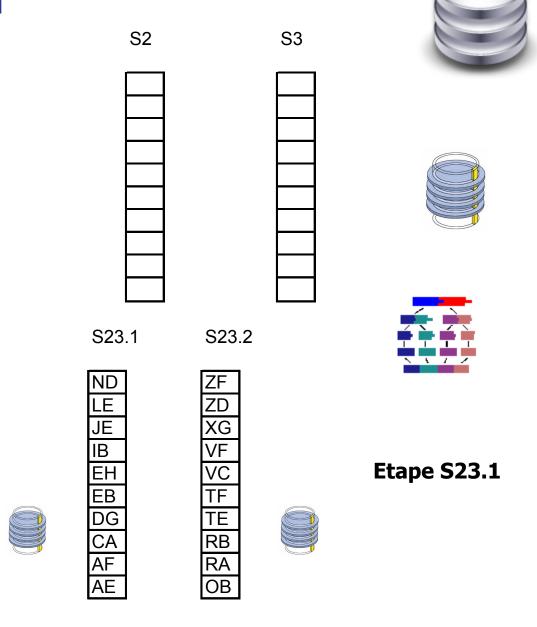




S2 S3 ZF VF VC TF TE RB S23.1 S23.2 **Etape S23.1** ΙB













S2

7



S3



S23



S23.1

S23.2



IB EH EB DG CA AF

LE JE ZF ZD XG VF VC TF TE RB

Etape S23.1



S23.2

Run 01

S01.1

S01.2

Run 02

S23.1

† 9	ND	1	19	ZF
8	LE		18	ZD
7	JE		17	XG
6	ΙB		16	VF
5	Ξ		15	VC
4	EB		14	TF
3	DG		13	TE
2	CA		12	RB
1	AF		11	RA
0	AE		10	ОВ



S01





S23.2

Run 01

Run 02

S23.1

S01.1

S01.2

↑ 9 ND ↑ 19 ZF 18 ZD 17 XG 17 XG 16 IB 16 VF 15 VC 14 EB 14 TF 13 TE 12 RB 11 RA 10 OB 10 OB



Index runs





	_	-	_	_	-	_	6	-	_	_
S01.1	AC	BE	BG	DC	FD	FF	GE	IG	JA	JC

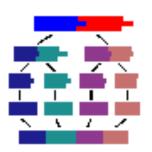
S01.2

10 11 12 13 14 15 16 17 18 19 KA LC MD NH RG SA UE UH YH ZE

S23.2

10 11 12 13 14 15 16 17 18 19 OB RA RB TE TF VC VF XG ZD ZF









Index runs





S01



0 1 2 3 4 5 6 7 8 9 S01.1 AC BE BG DC FD FF GE IG JA JC

S01.2

10 11 12 13 14 15 16 17 18 19 KA LC MD NH RG SA UE UH YH ZE

0 1 2 3 4 5 6 7 8 9 S23.1 AE AF CA DG EB EH IB JE LE ND

S23.2

10 11 12 13 14 15 16 17 18 19 OB RA RB TE TF VC VF XG ZD ZF

S23







