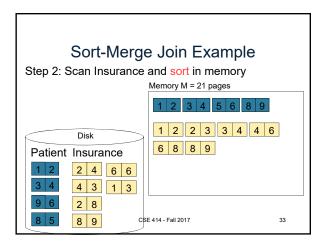
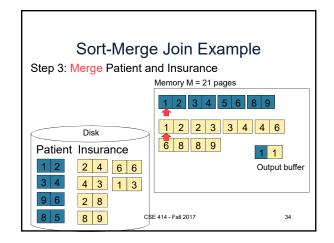
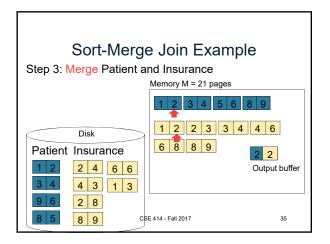
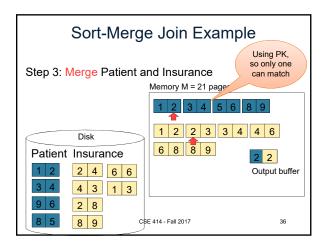


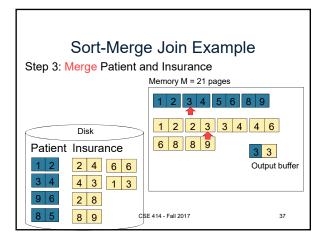
Sort-Merge Join Example Step 1: Scan Patient and sort in memory			
Memory M = 21 pages			
	1 2 3 4 5 6 8 9		
Disk			
Patient Insurance			
1 2 2 4 6 6			
3 4 4 3 1 3			
9 6 2 8			
8 5 8 9 cs	E 414 - Fall 2017 32		

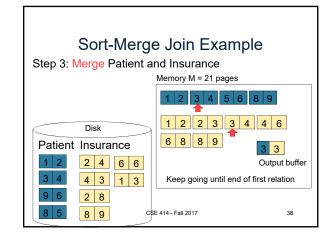


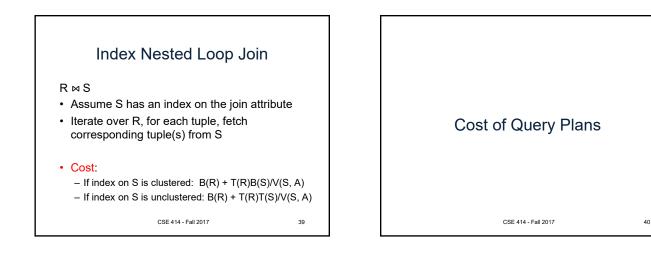


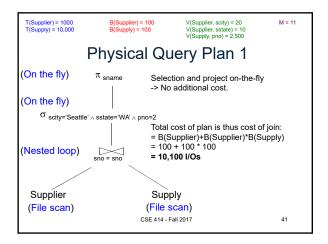


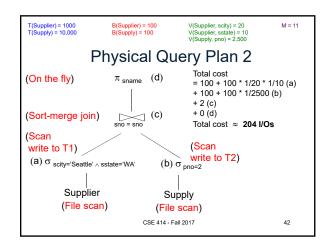












T(Supplier) = 1000 B(Supplier)   T(Supply) = 10,000 B(Supply)	) = 100 V(Supplie	r, scity) = 20 M = 11 r, sstate) = 10 pno) = 2,500	
On the fly) (d) π <sub>ename</sub> Total cost			
(On the fly) (d) $\pi_{\text{sname}}$ (On the fly) (c) $\sigma_{\text{scity='Seattle'} \land s}$	state='WA'	= 1 (a) + 4 (b) + 0 (c) + 0 (d)	
(b) sno = sno (index nested loop)			
(Use hash index) ∕4 tuples (a) σ <sub>pno=2</sub> Supply (Index on pno)	Supplier (Index on sno) Clustering does	s not matter	
Assume: clustered	CSE 414 - Fall 2017	43	