

**SORT** 243.78ms | 7 %  
by (count(DISTINCT partsupp.ps\_suppkey)),part.p\_brand,part.p\_type,part.p\_size

**AGGREGATE** 69.27ms | 2 %  
by part.p\_brand,part.p\_type,part.p\_size

**SORT** 2.89s | 80 %  
by part.p\_brand,part.p\_type,part.p\_size  
slowest

**HASH JOIN** 91.92ms | 3 %  
Semi join  
on (partsupp.ps\_suppkey = supplier.s\_suppkey)

**NESTED LOOP** 173.03ms | 5 %  
Inner join  
costliest largest

**HASH** 2.59ms | 0 %

**SEQ SCAN** 15.05ms | 0 %  
on public.supplier (supplier)

**BITMAP HEAP SCAN** 84.58ms | 2 %  
on public.part (part)

**INDEX ONLY SCAN** 118.32ms | 3 %  
on public.partsupp (partsupp)  
using partsupp\_pkey

**BITMAP INDEX SCAN** 40.23ms | 1 %  
using idx\_q11\_p\_size\_reverse\_type