

(source)

1 / 10 / clicks	B	•
user_id, pagetype, ts		
unsharded		

2 / 11 / clicks2	$\pi[0, 1, 2]$
user_id, pagetype, ts	
unsharded	

3 / 12 / q_df6e9f31577e7f24_n0	[1:0, 1:1, 1:2, 2:1, 2:2] 1:0 $\bowtie$ 2:0
user_id, pagetype, ts, pagetype, ts	
unsharded	

4 / 13 / q_df6e9f31577e7f24_n1_p0_f0	$\sigma[f3 = 0]$
user_id, pagetype, ts, pagetype, ts	
unsharded	

5 / 14 / q_df6e9f31577e7f24_n2_p0_f0	$\sigma[f3 = 1]$
user_id, pagetype, ts, pagetype, ts	
unsharded	

6 / 15 / candidate_paths0	$\pi[0, 2, 4]$
user_id, ts1, ts2	
unsharded	

7 / 16 / q_c1c1b7dd5e276f65_n0_0_f0	$\sigma[f1 < col: 2]$
user_id, ts1, ts2	
unsharded	

8 / 17 / candidate_paths	$\pi[0, 1, 2]$
user_id, ts1, ts2	
unsharded	

9 / 18 / q_391bc46c7a8985fa_n0	$\max(1) \gamma[0, 2]$	•
user_id, ts2, ts1		
unsharded		

10 / 19 / matching_paths	$\pi[0, 2, 1]$
user_id, ts1, ts2	
unsharded	

11 / 110 / q_1a86992394cd36a0_n0	[1:0, 1:1, 1:2, 10:1, 10:2] 1:0 $\bowtie$ 10:0
user_id, pagetype, ts, ts1, ts2	
unsharded	

12 / 111 / pageview_counts0	$\pi[0, 3, 4, 2]$
user_id, ts1, ts2, ts	
unsharded	

13 / 112 / q_9e31574e1b980f5d_n0_0_f0	$\sigma[f1 \leq col: 3]$
user_id, ts1, ts2, ts	
unsharded	

14 / 113 / q_9e31574e1b980f5d_n1_1_f0	$\sigma[f2 \geq col: 3]$
user_id, ts1, ts2, ts	
unsharded	

15 / 114 / pageview_counts1	$\pi[0, 1, 2]$
user_id, ts1, ts2	
unsharded	

16 / 115 / q_cb545dceec04bc0f3_n0	$ \ast  \gamma[0, 1]$	•
user_id, ts1, pageview_count		
unsharded		

17 / 116 / pageview_counts	$\pi[0, 2]$
user_id, pageview_count	
unsharded	

18 / 117 / q_ff4c84957de1d957_n0	$\Sigma(1) \gamma[0]$	•
user_id, sum(pageview_count)		
unsharded		

19 / 118 / q_ff4c84957de1d957_n1	$\pi[0, 1]$
user_id, sum(pageview_count)	
unsharded	

20 / 119 / clickstream_ana	•
(reader / $\mathcal{L}$ : [0])	
unsharded	