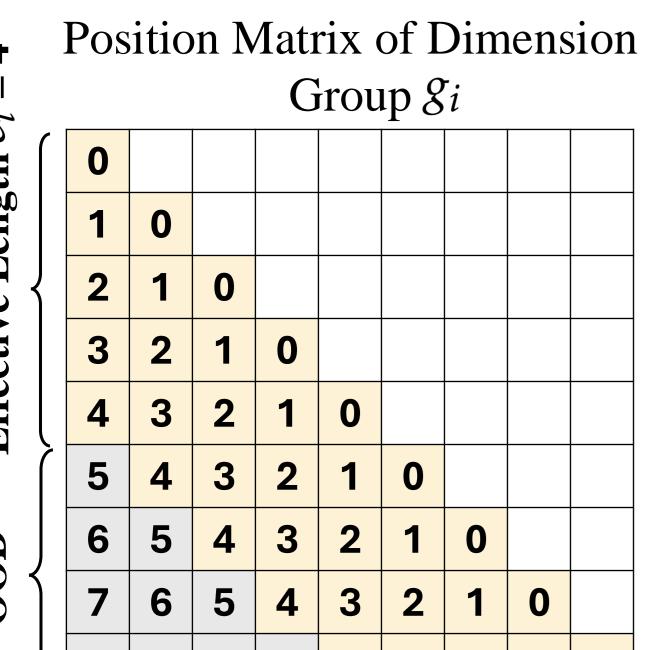
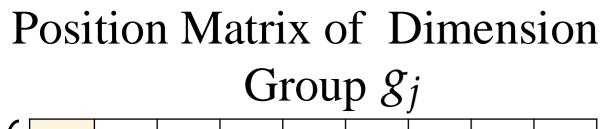
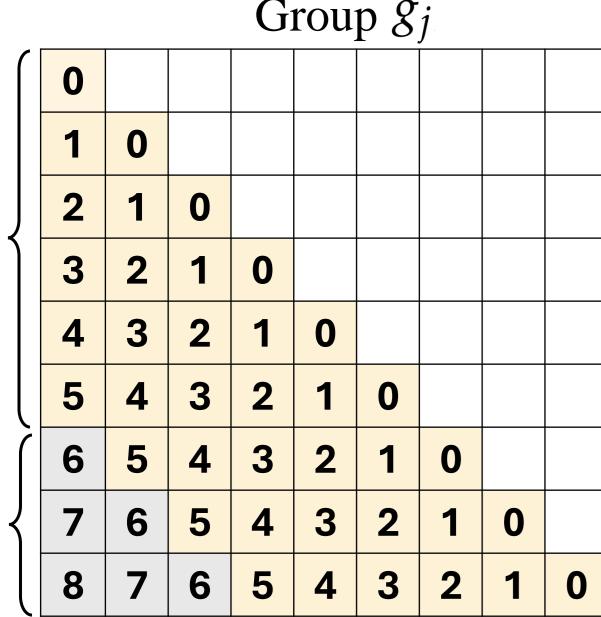
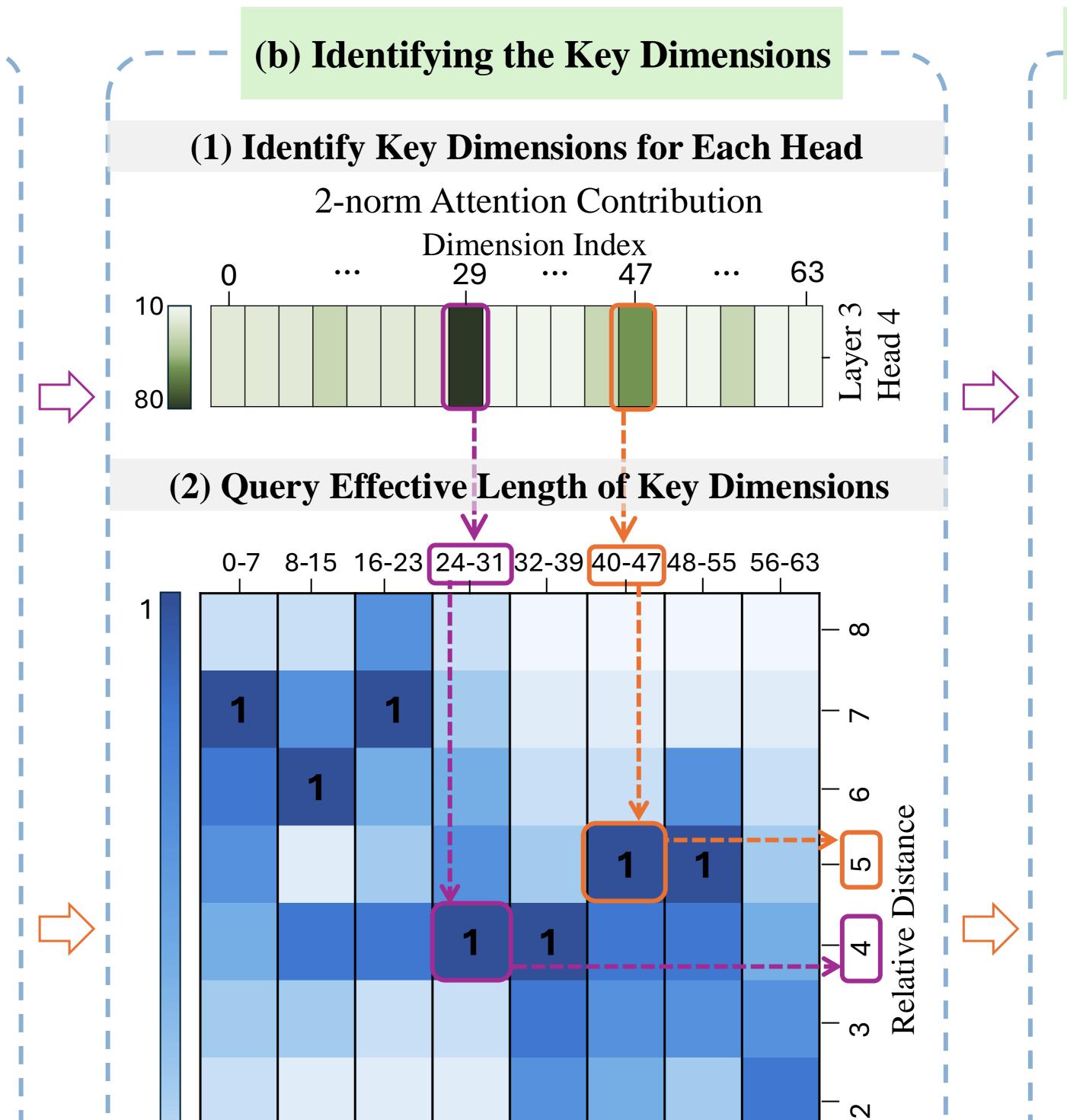
(a) Detecting the Effective Relative Distance









Effective Length Ranking of Different Dimensions

(c) Scaling the Position Indices

Key Dimension 29									
0									
1	0								
2	1	0							
3	2	1	0						
3	3	2	1	0					
3	3	3	2	1	0				

Scale to Effective Length = 4

Key Dimension 47

0								
1	0							
2	1	0						
3	2	1	0					
3	3	2	1	0				
4	3	3	2	1	0			
4	4	3	3	2	1	0		
5	4	4	3	3	2	1	0	
5	5	4	4	3	3	2	1	0

Scale to Effective Length = 5

Only Scale Top-k Key Dimensions