부분배열 개수 $n = (N-M+1)^2 = N^2$

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hash 등록 비용

4: $O(N^2 * 4^2)$

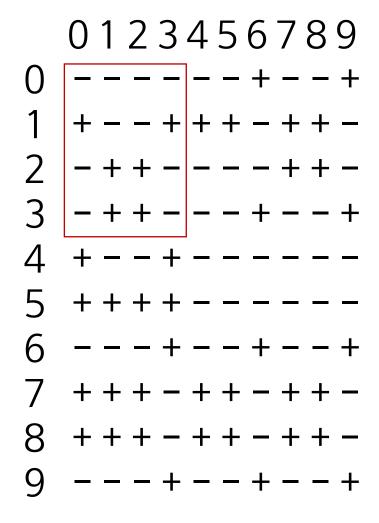
5: $O(N^2 * 5^2)$

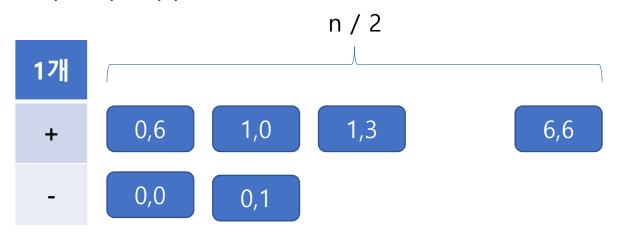
 $20: O(N^2 * 20^2)$

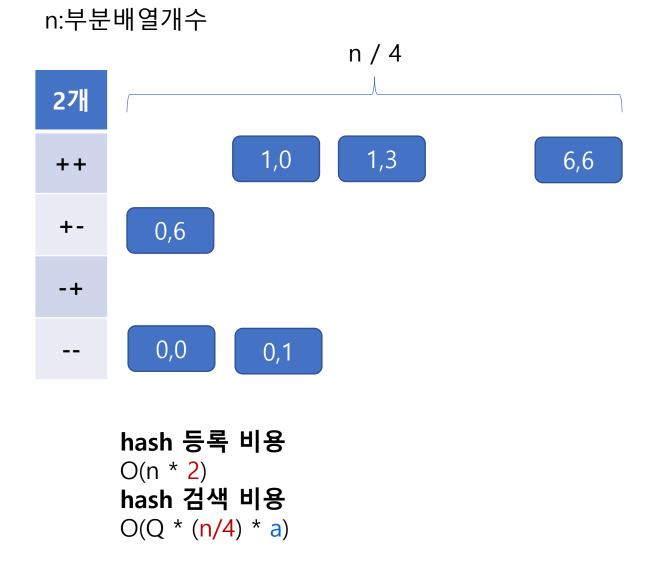
hash 검색 비용

O(Q * bucket 노드 수 * a)

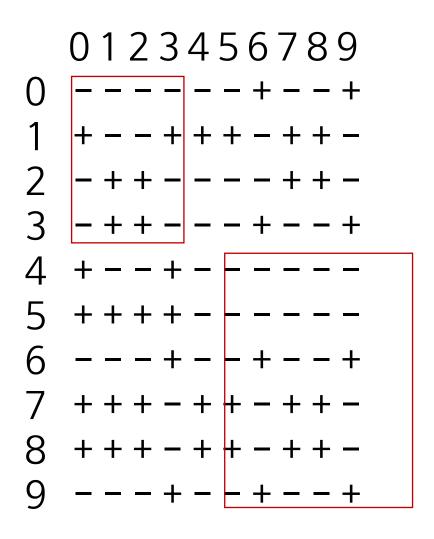
n:부분배열개수

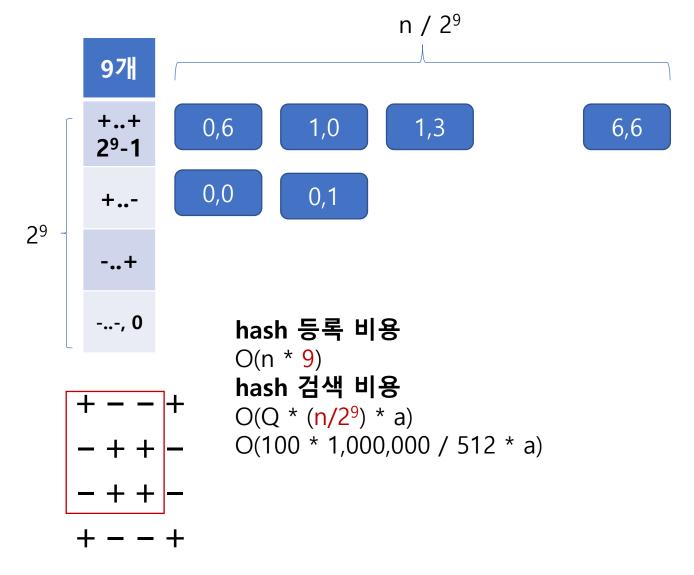




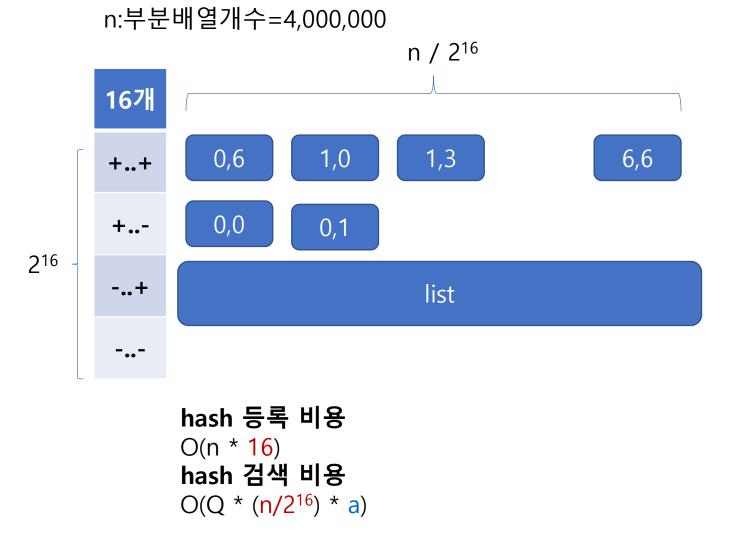


n:부분배열개수=4,000,000





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+,- 두개 문자 1,0 범위의 16자리 2진법 => 10진법 hash table : list [2¹⁶]