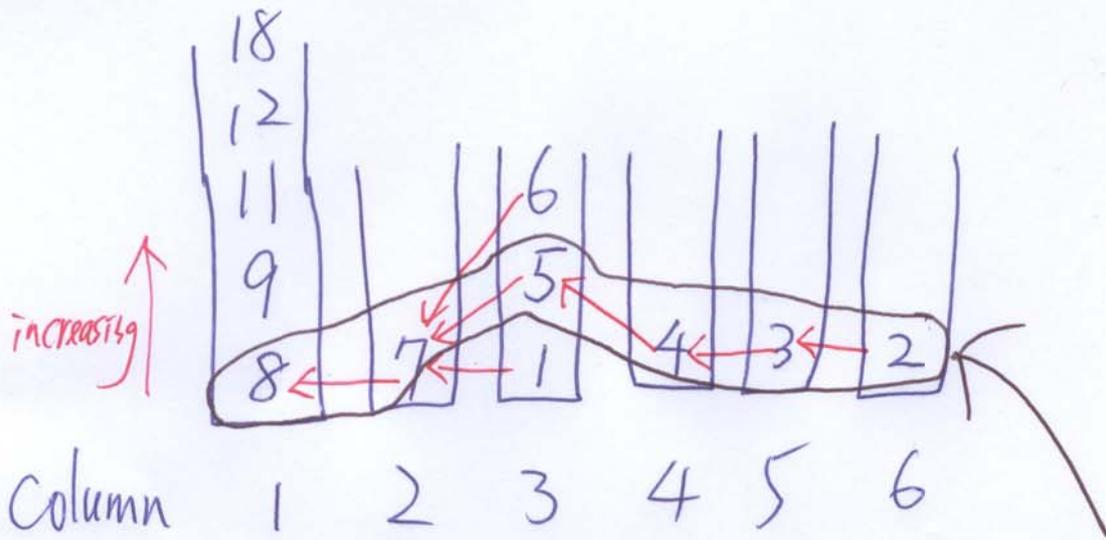


An Example:

Kun-Man Chao

8 7 9 5 11 4 12 3 6 18 2



8 7 5 4 3 2

a decreasing subsequence
of length 6

Whenever a_i is placed on column j ($j > 1$), a_i is smaller than the value on the top of column $j-1$. By maintaining a backtracking pointer, we can find a_i 's corresponding decreasing subsequence of length j .