The permutation of cars are 1, n, n-1, n-2, … ,2.

The reason is that if we want to use n-1 holding stack. We should put the first number, namely 1, at the back of the input array. For the rest permutation of the number we should let the previous input number become smaller than the current input number. Therefore, the current input number cannot be stored at the top of existed stacks, so we have to input the current input number into a new holding stack.