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**Vince Vatter**. *Sorting Permutations with stacks and pop stacks*.

We consider the problem of sorting permutations using combinations of stacks and pop stacks. A stack is a last in first out sorting machine. A pop stack works the same way as a stack with the added restriction that when one entry is popped from the pop stack, then all entries in the pop stack must be popped. (Received August 08, 2010)