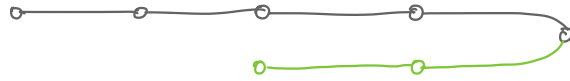


buffer state:



undo-list:

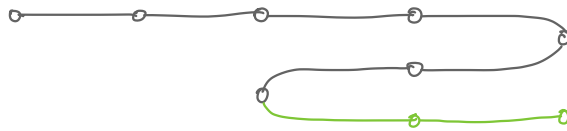


1

buffer state:



undo-list:



2

buffer state:

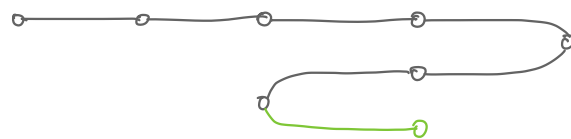


pending-undo-list:



3

undo-list:



buffer state:

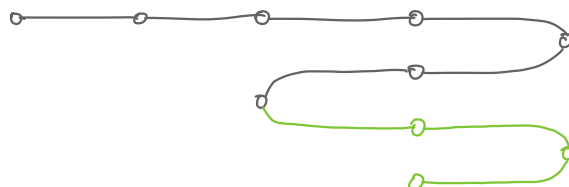


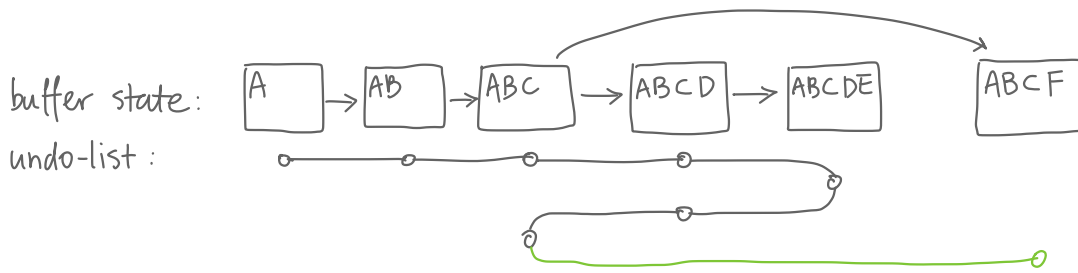
pending undo list:



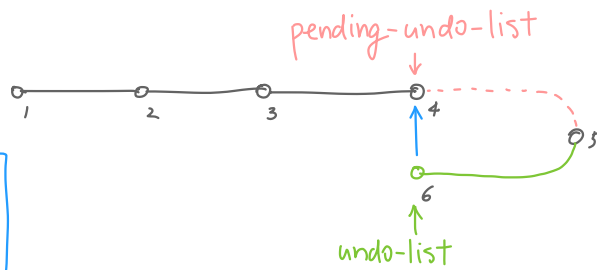
4

undo-list:



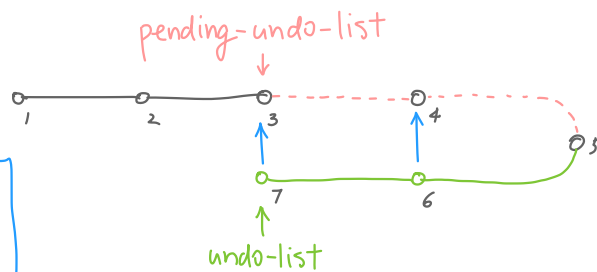


5



6

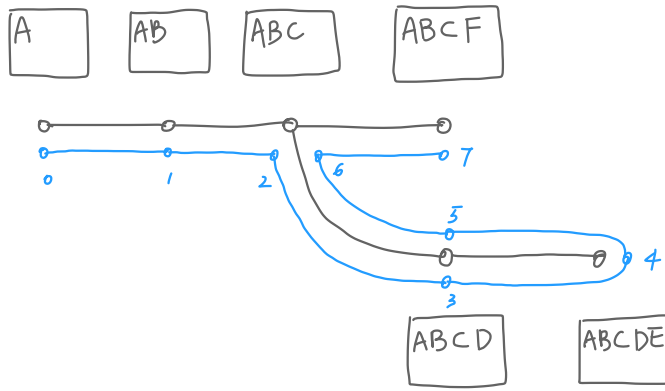
undo-equiv-table
6 → 4



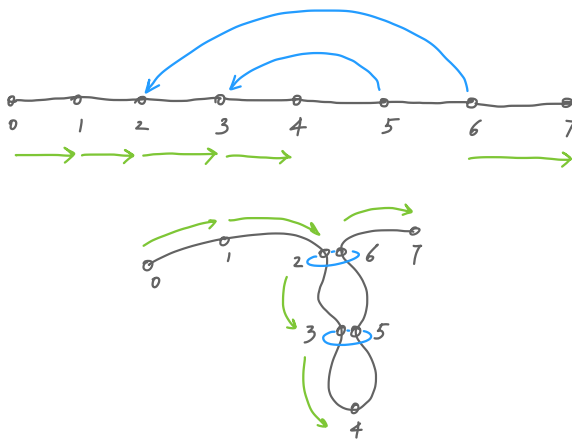
7

undo-equiv-table
6 → 4
7 → 3

- We can know
- ① whether a modification is an undo action
 - ② if it is, what undo-list is equivalent to it?



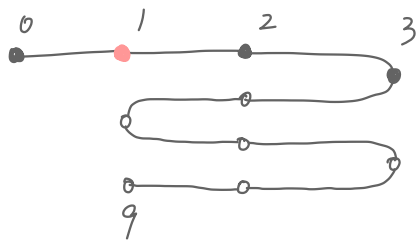
8



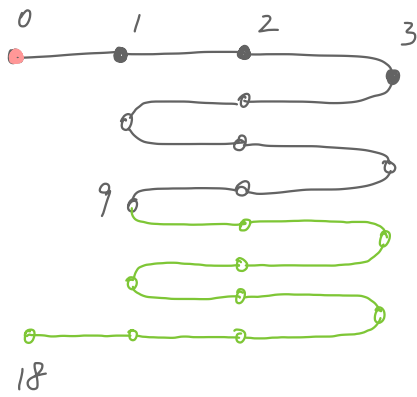
9

"insert F"

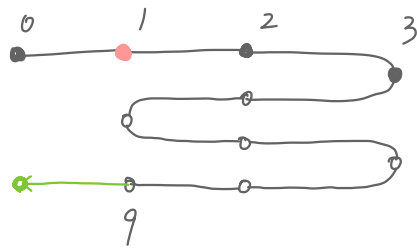
10



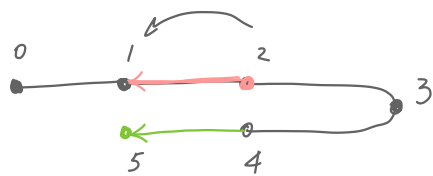
11



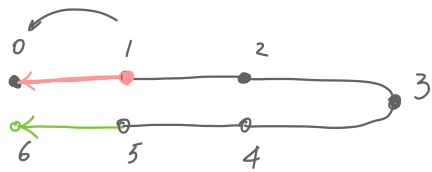
12



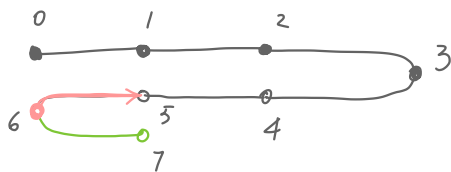
13



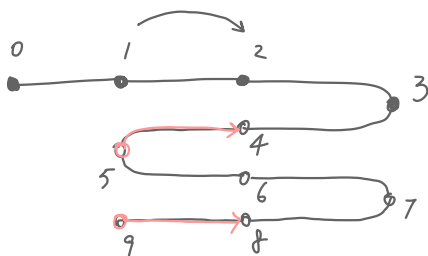
14



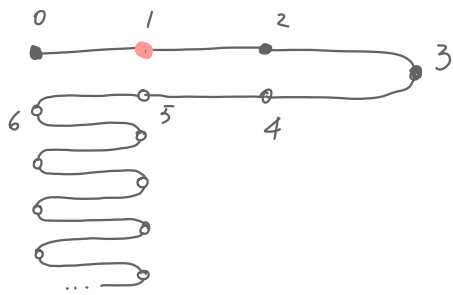
15



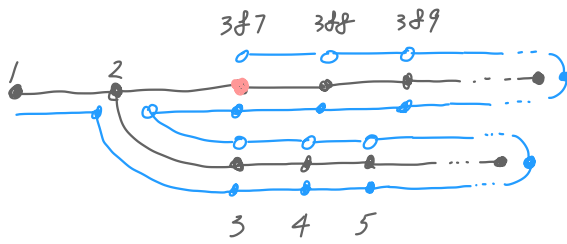
16



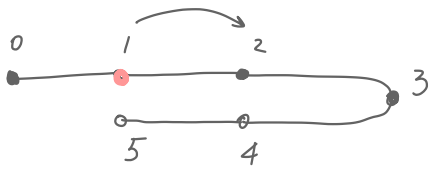
16.5



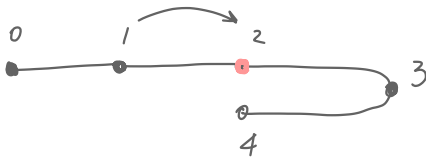
17



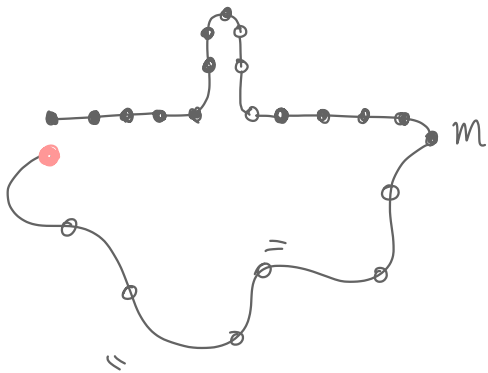
17.5



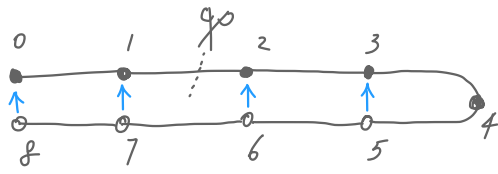
18



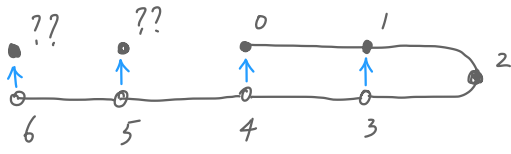
19



20



2/



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