a

n = 62

a

length < 62

abc a b

length < 62

abcab acabcb acbcacb abcab acabcb

length < 62

abcab acabcb abcab acabcb abcab abcab acabcb abcab acbcacb abcab acabcb acbcacb acabcb abcab acbcacb .....acabcb
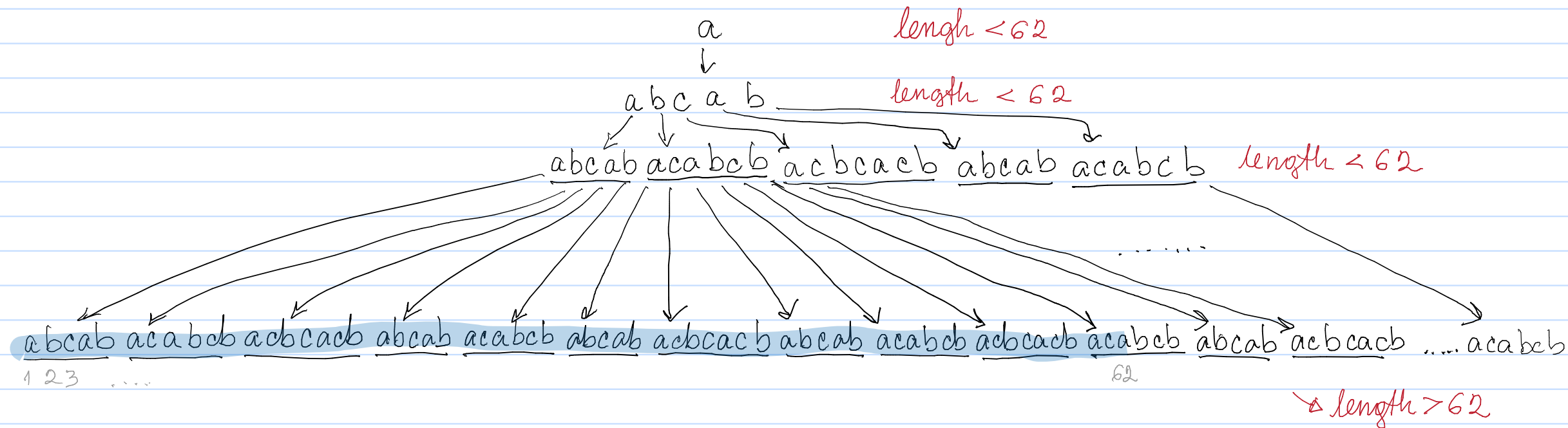
1 2 3 ....

62

FOR n=62, the final RESULT is the squere-free word highlighted in blue