**Monk and Suffix Sort**

Monk loves to play games. On his birthday, his friend gifted him a string *S*. Monk and his friend started playing a new game called as Suffix Game. In Suffix Game, Monk's friend will ask him lexicographically kth smallest suffix of the string *S*. Monk wants to eat the cake first so he asked you to play the game.

**Input Format:**  
First line contains a string *S* (1≤|S|≤25) and an integer *k* (1≤k≤|S|).

**Output Format:**  
Print the lexicographically kth smallest suffix of the string *S*.

using namespace std;

#include<iostream>

#include <algorithm>

#include <vector>

vector<string> v;

string a,b;

int main()

{

    int k,i,j;

    cin>> a >> k ;

    for(i=0;a[i];++i)

    {

        b="";

        for(j=i;a[j];++j)

        {

            b = b+a[j];

        }

        v.push\_back(b);

    }

    sort(v.begin(),v.end());

    cout<<v[k-1]<<endl;

    return 0;

}