Problem Link:

<https://leetcode.com/problems/find-the-k-th-character-in-string-game-i/?envType=daily-question&envId=2025-07-03>

Solution:

class Solution {

public:

char kthCharacter(int k) {

string word = "a";

while(word.size() < k)

{

string next;

for(char c : word)

{

next += (c == 'z' ? 'a' : c + 1);

}

word += next;

}

return word[k - 1];

}

};