例：程序CNKI\_test2

#include <iostream>

#include <cstdlib>

using std::cout;

using std::endl;

// 用B将src中的所有A进行替换

// 假设src的存储空间足够

void Replace(char\* src, const char\* A, const char\* B);

int main(int argc, char\* argv[])

{

char src[100] = "abababababab";

char\* A = "ab";

char\* B = "kk";

Replace(src, A, B);

cout << src << endl;

return 0;

}

void Replace(char\* src, const char\* A, const char\* B)

{

int A\_length = strlen(A);

int B\_length = strlen(B);

// 指针p指向src

// 修改p的值也会改变src的值

char\* p = strstr(src, A);

//int len = p - src;

//cout << len << endl;

while (p != NULL)

{

int p\_length = strlen(p);

if (A\_length > B\_length)

{

for (int i = A\_length; i <= (p\_length); ++i)

{

p[i - (A\_length - B\_length)] = p[i];

}

} else if (A\_length < B\_length)

{

// 因为src的长度足够，所以p可以访问到超出p\_length范围

for (int i = p\_length; i >= A\_length; --i)

{

p[i + (B\_length - A\_length)] = p[i];

}

}

for (int j = 0; j != B\_length; ++j)

{

p[j] = B[j];

}

p = strstr(src, A);

}

}