```
int charToNum(char* num)
     return num - '0';
}
char* multiply(char* num1, char* num2) {
    int num1_len;
     int num2_len;
int num1_index;
     int num2_index;
     int num;
     char* result;
     int count;
     num1_len = strlen(num1);
num2_len = strlen(num2);
     rount = num1_len+num2_len+1;
result = (char*) malloc(sizeof(char)*(count));
memset(result, '0', sizeof(char)*(count));
     result[count-1] = ' \setminus 0';
     count--;
     if( (num1_len == 1) \&\& (num1[0] == '0') ) || ( (num2_len == 1) \&\& (num2[0] == '0') ) )
           result[count-1] = '0';
           return &result[count-1];
     }else
           for(num1_index = num1_len - 1; num1_index >= 0; num1_index--)
                   for(num2_index = num2_len - 1; num2_index >= 0; num2_index--)
                       num = charToNum(num1[num1_index]) * charToNum(num2[num2_index]);
num = (charToNum(result[num1_index+num2_index+1]) + num);
result[num1_index+num2_index+1] = (num%10) + '0';
result[num1_index+num2_index] = charToNum(result[num1_index+num2_index]) + (num/10) + '0';
           }
     }
     return (result[0] == '0') ? &result[1] : &result[0];
```