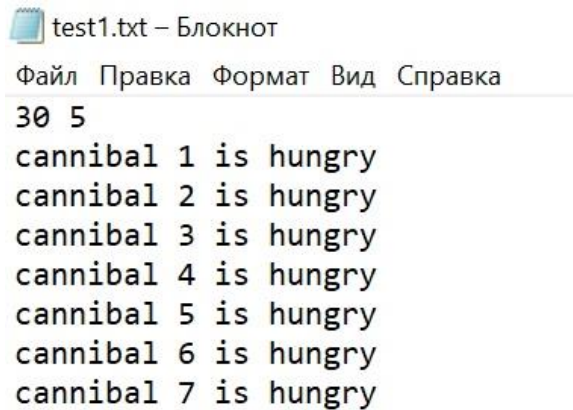# РЕЗУЛЬТАТЫ ТЕСТИРОВАНИЯ ПРОГРАММЫ

С помощью приложенных .bat файлов проверим корректность работы программы.
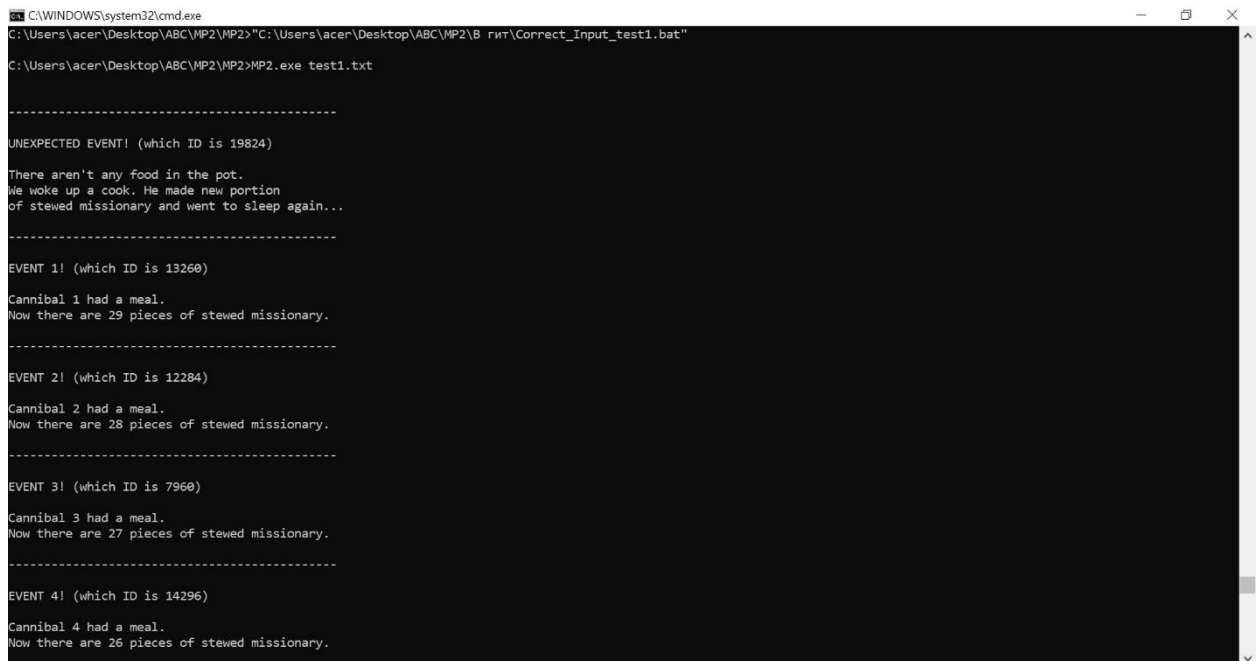
1) Test 1


```
test1.txt – Блокнот

Файл  Правка  Формат  Вид  Справка
30 5
cannibal 1 is hungry
cannibal 2 is hungry
cannibal 3 is hungry
cannibal 4 is hungry
cannibal 5 is hungry
cannibal 6 is hungry
cannibal 7 is hungry
```

Данный тест был разработан с целью показать, что будет происходить в случае ввода номеров тех дикарей, которых нет в племени.

.bat файл для тестирования продемонстрированных входных данных имеет название Correct_Input_test1.bat и содержит в себе текст «MP2.exe test1.txt».

РЕЗУЛЬТАТ:


```
C:\Users\acer\Desktop\ABC\MP2\MP2>"C:\Users\acer\Desktop\ABC\MP2\В гит\Correct_Input_test1.bat"

C:\Users\acer\Desktop\ABC\MP2\MP2>MP2.exe test1.txt

-------------------------------------------
UNEXPECTED EVENT! (which ID is 19824)

There aren't any food in the pot.
We woke up a cook. He made new portion
of stewed missionary and went to sleep again...
-------------------------------------------

EVENT 1! (which ID is 13260)

Cannibal 1 had a meal.
Now there are 29 pieces of stewed missionary.
-------------------------------------------

EVENT 2! (which ID is 12284)

Cannibal 2 had a meal.
Now there are 28 pieces of stewed missionary.
-------------------------------------------

EVENT 3! (which ID is 7960)

Cannibal 3 had a meal.
Now there are 27 pieces of stewed missionary.
-------------------------------------------

EVENT 4! (which ID is 14296)

Cannibal 4 had a meal.
Now there are 26 pieces of stewed missionary.
```

РЕЗУЛЬТАТ В ТЕКСТОВОМ ВИДЕ:

UNEXPECTED EVENT! (which ID is 23324)

There aren't any food in the pot.

We woke up a cook. He made new portion

of stewed missionary and went to sleep again...

EVENT 1! (which ID is 21800)

Cannibal 1 had a meal.

Now there are 29 pieces of stewed missionary.

EVENT 2! (which ID is 11608)

Cannibal 2 had a meal.

Now there are 28 pieces of stewed missionary.

EVENT 3! (which ID is 14004)

Cannibal 3 had a meal.

Now there are 27 pieces of stewed missionary.

EVENT 4! (which ID is 13236)

Cannibal 4 had a meal.

Now there are 26 pieces of stewed missionary.

EVENT 5! (which ID is 17544)

Cannibal 5 had a meal.

Now there are 25 pieces of stewed missionary.

EVENT 6! (which ID is 11700)
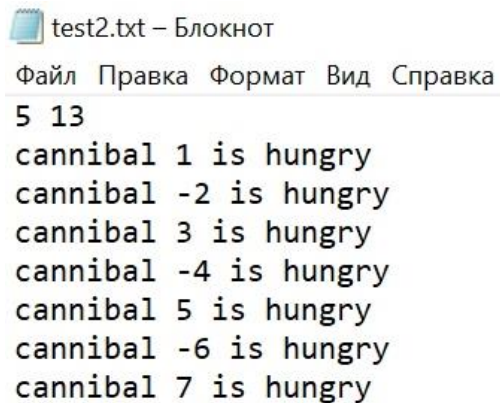
Great pitty! Cannibal 6 does not leave

in this tribe, he cannot eat missionary's

meat with other savages...

EVENT 7! (which ID is 17208)

Great pitty! Cannibal 7 does not leave

in this tribe, he cannot eat missionary's

meat with other savages...

Time of program working = 0.017 sec

----

2) **Test 2**

test2.txt – Блокнот

Файл Правка Формат Вид Справка

```
5 13
cannibal 1 is hungry
cannibal -2 is hungry
cannibal 3 is hungry
cannibal -4 is hungry
cannibal 5 is hungry
cannibal -6 is hungry
cannibal 7 is hungry
```

Данный тест был разработан с целью показать, что будет происходить в случае ввода отрицательных номеров дикарей, которых, естественно, нет в племени, а также с целью продемонстрировать, что будет, если в горшке закончится еда, а голодные каннибалы еще останутся.

.bat файл для тестирования продемонстрированных входных данных имеет название Correct_Input_test2.bat и содержит в себе текст «MP2.exe test2.txt».

РЕЗУЛЬТАТ:

РЕЗУЛЬТАТ В ТЕКСТОВОМ ВИДЕ:

UNEXPECTED EVENT! (which ID is 15332)

There aren't any food in the pot.
We woke up a cook. He made new portion
of stewed missionary and went to sleep again...

EVENT 1! (which ID is 15592)

Cannibal 1 had a meal.
Now there are 4 pieces of stewed missionary.

EVENT 2! (which ID is 14656)

Great pitty! Cannibal -2 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

EVENT 3! (which ID is 21356)

Cannibal 3 had a meal.
Now there are 3 pieces of stewed missionary.

EVENT 4! (which ID is 20944)

Great pitty! Cannibal -4 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

EVENT 5! (which ID is 22840)

Cannibal 5 had a meal.
Now there are 2 pieces of stewed missionary.

EVENT 6! (which ID is 13436)

Great pitty! Cannibal -6 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

EVENT 7! (which ID is 22760)

Cannibal 7 had a meal.
Now there are 1 pieces of stewed missionary.

Time of program working = 0.008 sec

----

3) Test 3


```
test3.txt — Блокнот
Файл  Правка  Формат  Вид  Справка
10 100
cannibal 28 is hungry
cannibal 7 is hungry
cannibal 2 is hungry
cannibal 56 is hungry
cannibal 40 is hungry
cannibal 1 is hungry
cannibal 32 is hungry
cannibal 65 is hungry
cannibal 34 is hungry
cannibal 70 is hungry
cannibal 34 is hungry
cannibal 18 is hungry
cannibal 16 is hungry
cannibal 104 is hungry
cannibal 48 is hungry
cannibal 92 is hungry
cannibal 62 is hungry
cannibal 101 is hungry
cannibal 52 is hungry
cannibal 30 is hungry
cannibal 19 is hungry
cannibal 46 is hungry
cannibal 81 is hungry
cannibal 5 is hungry
cannibal 4 is hungry
cannibal 40 is hungry
cannibal 98 is hungry
cannibal 18 is hungry
cannibal 21 is hungry
cannibal 24 is hungry
cannibal 72 is hungry
cannibal 20 is hungry
cannibal 43 is hungry
```

Конец файла:

```
cannibal 106 is hungry
cannibal 87 is hungry
cannibal 71 is hungry
cannibal 28 is hungry
cannibal 105 is hungry
```
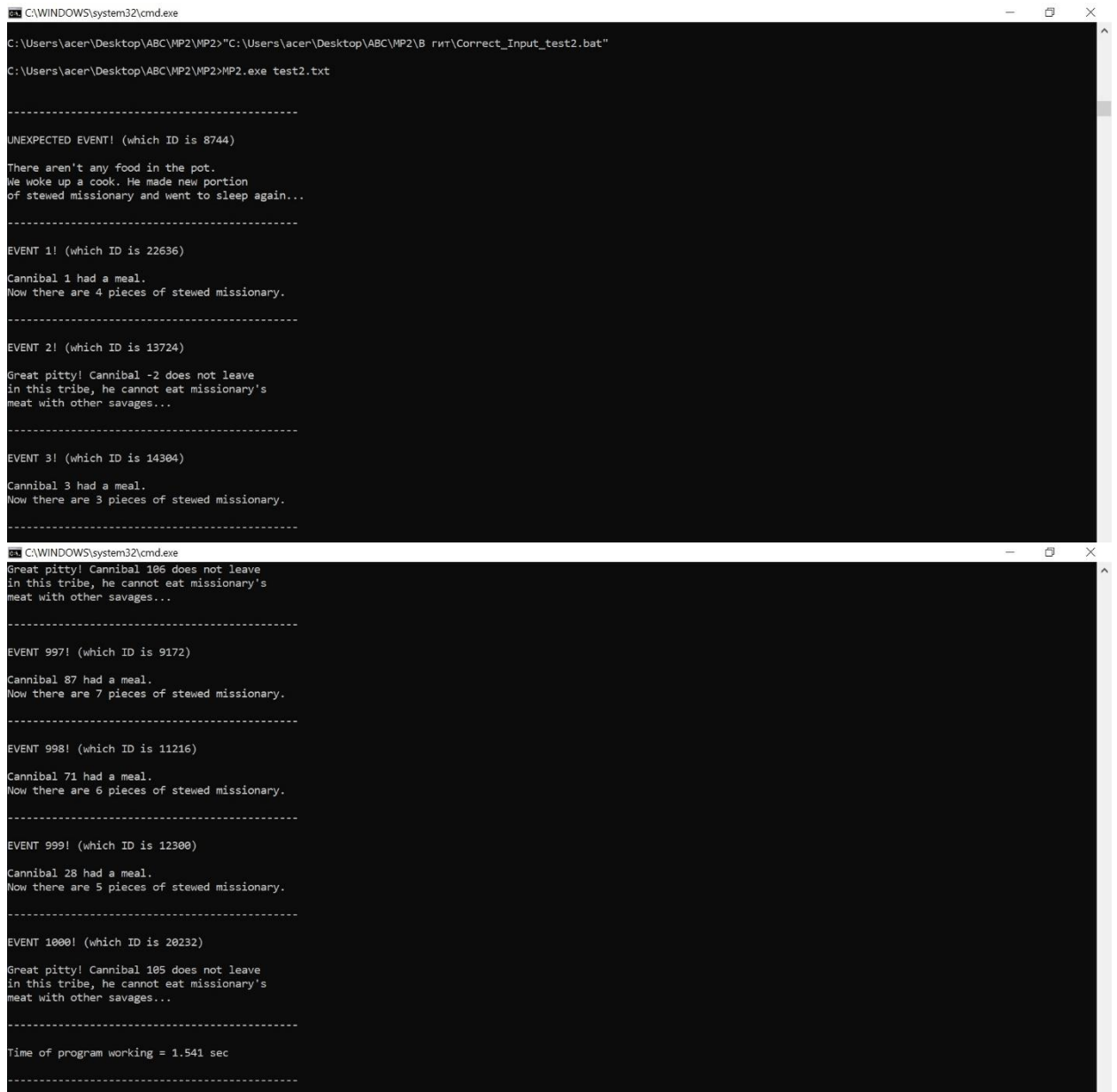
Стр 1001, стлб 23

Третий тест содержит в себе 1001 строчку (полностью текст теста можно просмотреть в файле «test3.txt»). Он был разработан для демонстрации факта того, что программа справляется с достаточно большим объемом данных.

.bat файл для тестирования продемонстрированных входных данных имеет название Correct_Input_test3.bat и содержит в себе текст «MP2.exe test3.txt».

Ниже приведен результат лишь частично, поскольку количество команд достаточно велико. Для более тщательного ознакомления с результатами третьего теста предлагается протестировать его самостоятельно.

РЕЗУЛЬТАТ (начало и конец):


```
C:\WINDOWS\system32\cmd.exe                                                    —    □    ×

C:\Users\acer\Desktop\ABC\MP2\MP2>"C:\Users\acer\Desktop\ABC\MP2\В рит\Correct_Input_test2.bat"

C:\Users\acer\Desktop\ABC\MP2\MP2>MP2.exe test2.txt


--------------------------------------

UNEXPECTED EVENT! (which ID is 8744)

There aren't any food in the pot.
We woke up a cook. He made new portion
of stewed missionary and went to sleep again...

--------------------------------------

EVENT 1! (which ID is 22636)

Cannibal 1 had a meal.
Now there are 4 pieces of stewed missionary.

--------------------------------------

EVENT 2! (which ID is 13724)

Great pitty! Cannibal -2 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

--------------------------------------

EVENT 3! (which ID is 14304)

Cannibal 3 had a meal.
Now there are 3 pieces of stewed missionary.

--------------------------------------
```



```
C:\WINDOWS\system32\cmd.exe                                                    —    □    ×
Great pitty! Cannibal 106 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

--------------------------------------

EVENT 997! (which ID is 9172)

Cannibal 87 had a meal.
Now there are 7 pieces of stewed missionary.

--------------------------------------

EVENT 998! (which ID is 11216)

Cannibal 71 had a meal.
Now there are 6 pieces of stewed missionary.

--------------------------------------

EVENT 999! (which ID is 12300)

Cannibal 28 had a meal.
Now there are 5 pieces of stewed missionary.

--------------------------------------

EVENT 1000! (which ID is 20232)

Great pitty! Cannibal 105 does not leave
in this tribe, he cannot eat missionary's
meat with other savages...

--------------------------------------

Time of program working = 1.541 sec

--------------------------------------
```

4) Некорректные входные данные

Для того чтобы продемонстрировать поведение программы при некорректных входных данных, был разработан .bat файл «Incorrect_Input_Without_Params.bat», в котором находится лишь название .exe файла.

РЕЗУЛЬТАТ:

```
------------------------------------------------

An invalid format of input params!
Use the name of an input file as the first value.

P.S.
- The first string in the file consists of two numbers:
    m - maximum number of missionary's pieces;
    n - number of cannibals in one tribe
 *n should be integer value > 0, because there should
 be at least one cannibal*;

- All other strings in the file are commands, which
 have type of "cannibal N is hungry", where N is
 number of cannibal in tribe; N is integer value in
 range of [1, n].

---------------------------------------------------------
```