



МИНИСТЕРСТВО НАУКИ
И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ

Федеральное государственное бюджетное
образовательное учреждение высшего образования
«НОВОСИБИРСКИЙ ГОСУДАРСТВЕННЫЙ ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ»



**НГТУ
НЭТИ** | **Факультет прикладной
математики и информатики**

Кафедра прикладной математики
Лабораторная работа № 6
по дисциплине «Введение в ИИ и логическое программирование»

ВНЕЛОГИЧЕСКИЕ ПРЕДИКАТЫ ПРОЛОГА

Бригада 10	ЗАЛЕВСКИЙ ВЛАДИСЛАВ
	ЗАТОЛОЦКАЯ ЮЛИЯ
Группа ПМ-91	ЛЕБЕДЕВ НИКИТА

Преподаватель АВДЕЕНКО ТАТЬЯНА ВАДМЛИРИОВНА

1. Текст индивидуального задания

Даны текстовый файл F и строка S . Получить все строки файла F , содержащие в качестве фрагмента строку S .

Содержимое текстового файла:

I wasn't born a freak
I was born who I am
The circus came later
When they couldn't understand
To be born under punchlines
When all I want is to breathe
Turned out not quite what they wanted
Sold off at thirteen
And what a fucking relief
I keep my anger in notebooks
And my passion on the stage
I sell out night after night after night after night
And every Sunday a parade
Come see me in the parade
Every Sunday a parade
Wish I could grab 'em all and say
That now that I'm who I want,
All anybody seems to want is to stare
The only monsters in the freak show
Have paid to get their ass to those chairs
I'm not a Sunday school lesson,
Just decided not to live my life scared
The only monsters in the freak show
Lurk in the closet under the stairs
I found some love for the first time
She's as removed as myself,
Paired up we swim against the current
Like a couple of mermaids from hell
I hear you call me Rob as in Robert,
That's a mistake no that's not who I am
The bearded lady's what the barker calls me
But to you it's YES MA'AM
YES MA'AM

YES MA'AM
 I wasn't born a freak
 I was born who I am
 The circus came later
 When they couldn't understand
 Co-couldn't understand
 Co-couldn't
 That now that I'm who I want,
 All anybody seems to want is to stare
 The only monsters in the freak show
 Have paid to get their ass to those chairs
 I'm not a Sunday school lesson,
 Just decided not to live my life scared
 The only monsters in the freak show
 Lurk in the closet under the stairs
 I wasn't born a freak (I was born who I am)
 I was born who I am
 The circus came later
 When no one could understand
 No one could understand
 I wasn't born a freak
 I was born who I am

2. Текст программы

DOMAINS

FILE = input

predicates

nondeterm repfile(file)

g(String)

find(String,String)

searchstr(String,String)

CLAUSES

repfile(_).

repfile(F) :-not(eof(F)),repfile(F).

searchstr(X,S):-

concat(_, X, S),!.

searchstr(X,S):-

concat(X, _, S),!.

searchstr(X,S):-

frontchar (S,C,Rest),

```
searchstr(X,Rest),!.
```

```
find(S,L):-searchstr(S,L),write(L),nl,!.
```

```
g(S):-openread(input,"Z:\\prolog\\input.txt"),  
readdevice(input),  
reple(file(input),  
readln(L),  
find(S,L),  
fail.
```

```
GOAL g("to").
```

3. Тесты программы

Ввод: **to**

Вывод:

When all I want is **to** breathe

All anybody seems **to** want is to stare

Have paid **to** get their ass to those chairs

Just decided not **to** live my life scared

But **to** you it's YES MA'AM

All anybody seems **to** want is to stare

Have paid to get their ass **to** those chairs

Just decided not **to** live my life scared

Ввод: **mashina**

Вывод: (пусто)