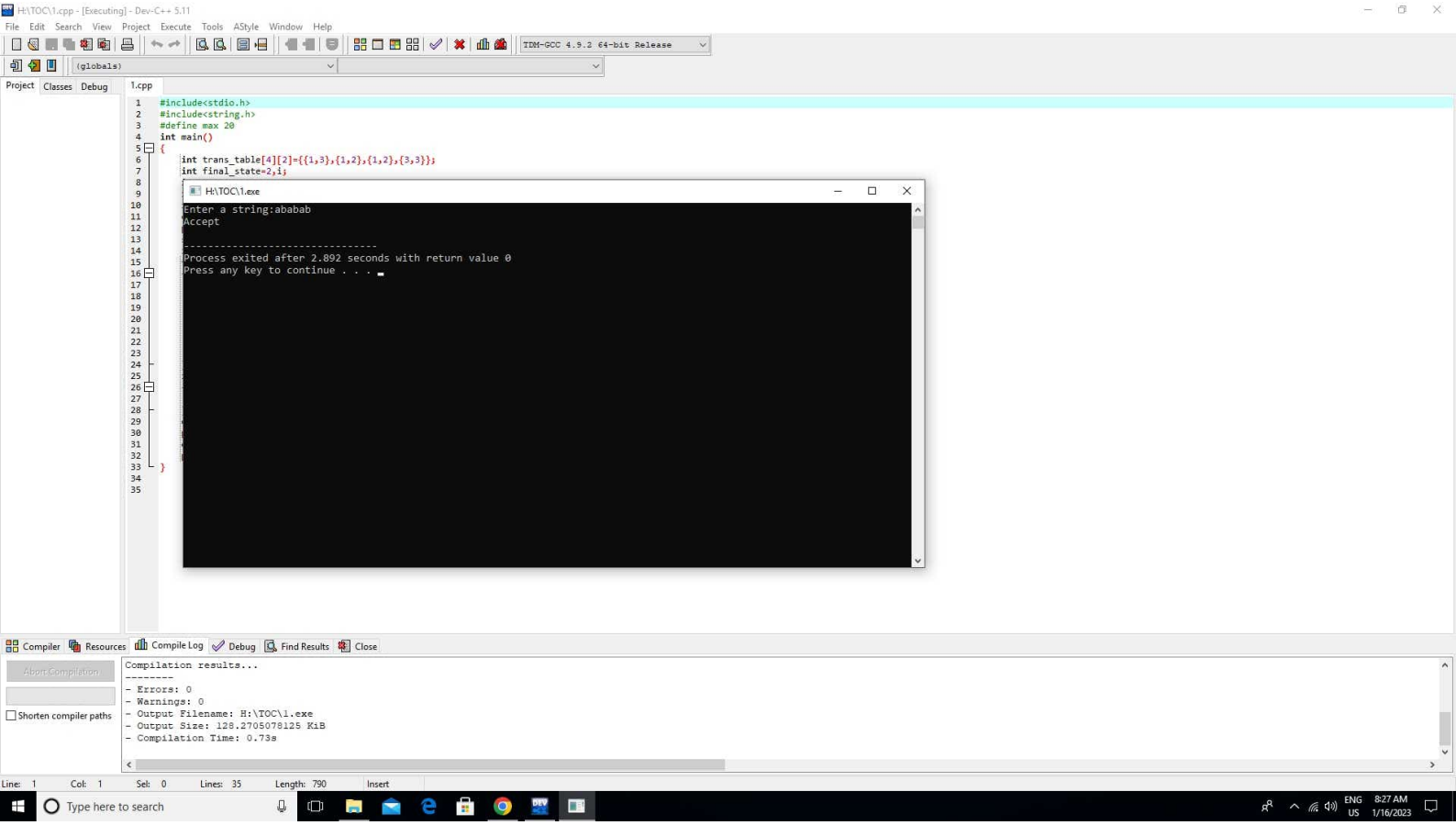
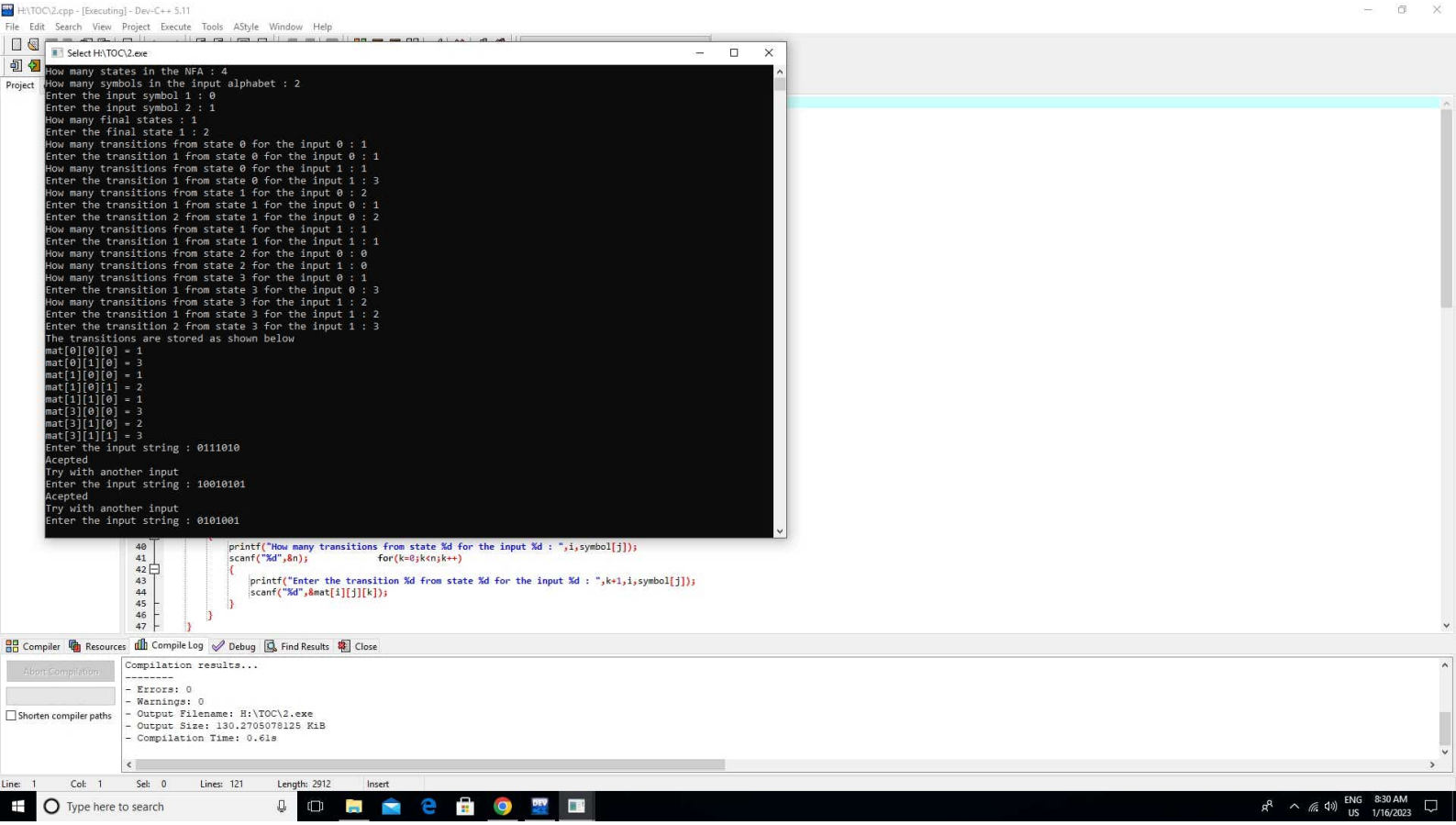
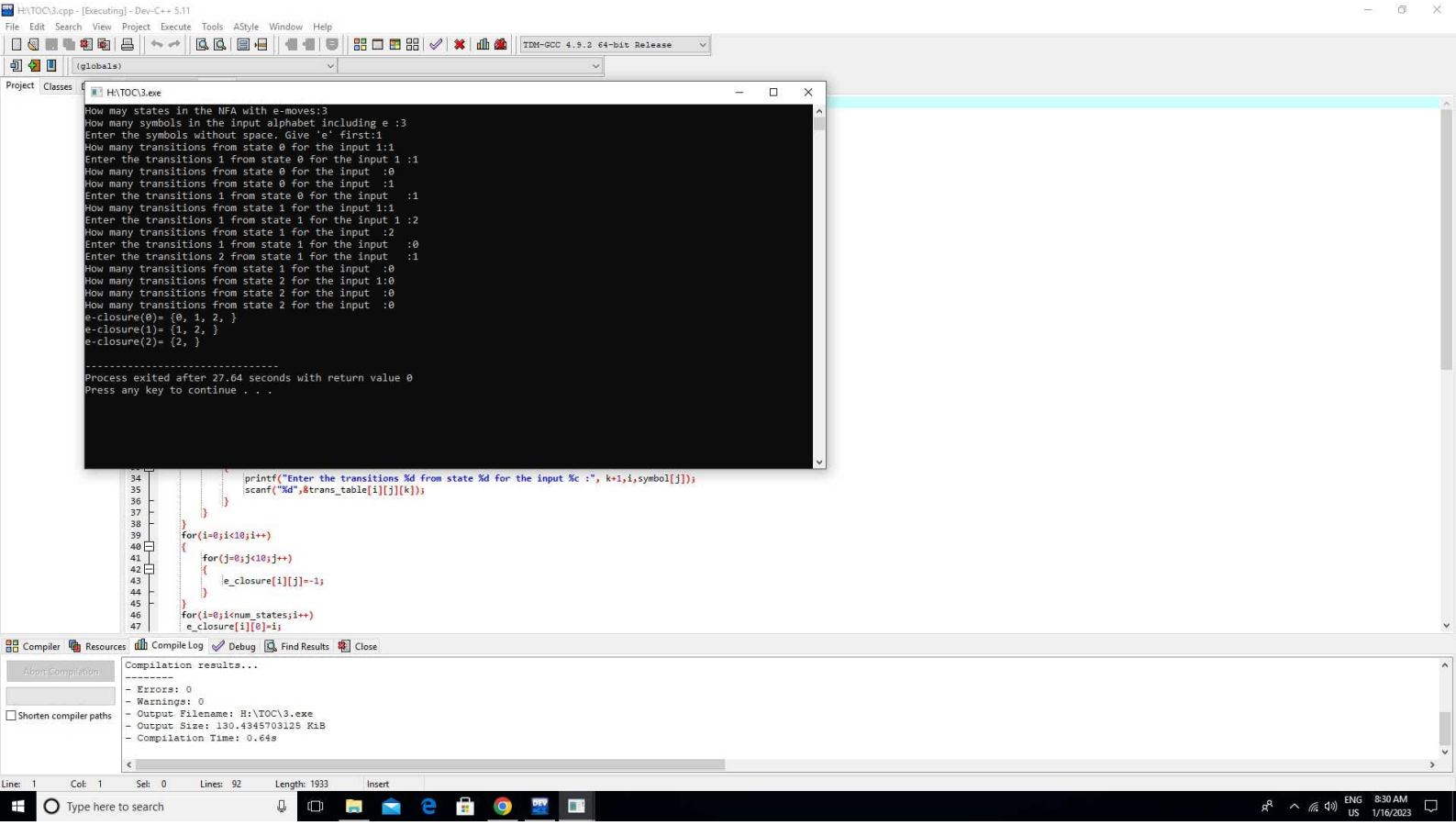
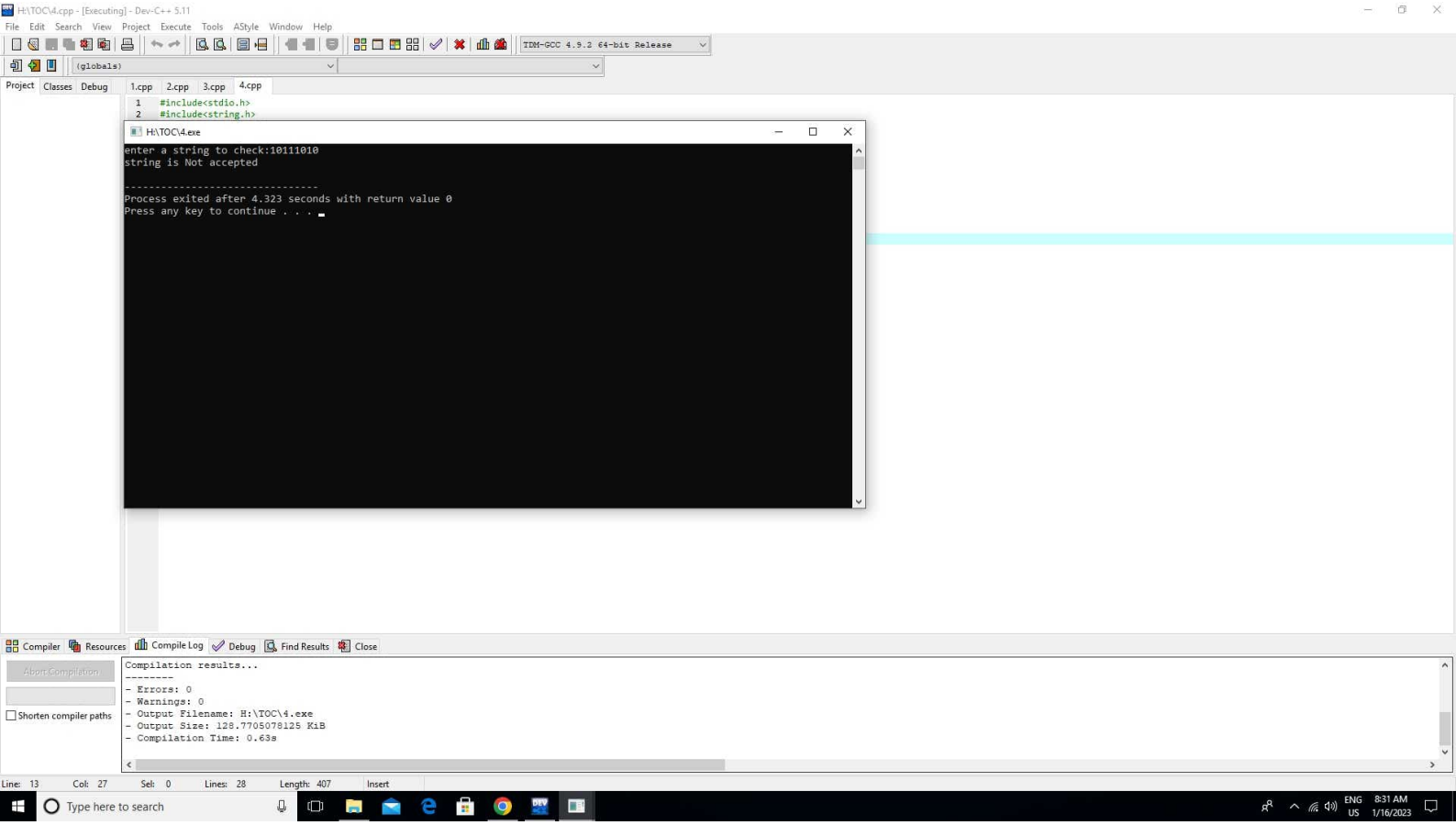

H:\TOC\1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1.cpp
#include<stdio.h>
#include<string.h>
#define max 20
int main()
{
int trans_table[4][2]={{1,3},{1,2},{1,2},{3,3}};
int final_state=2,i;
H:\TOC\1.exe
Enter a string:abababb
Accept

Process exited after 2.892 seconds with return value 0
Press any key to continue . . .
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\1.exe
- Output Size: 128.2705078125 KiB
- Compilation Time: 0.73s
Line: 1 Col: 1 Sel: 0 Lines: 35 Length: 790 Insert
Type here to search
ENG US
8:27 AM
1/16/2023

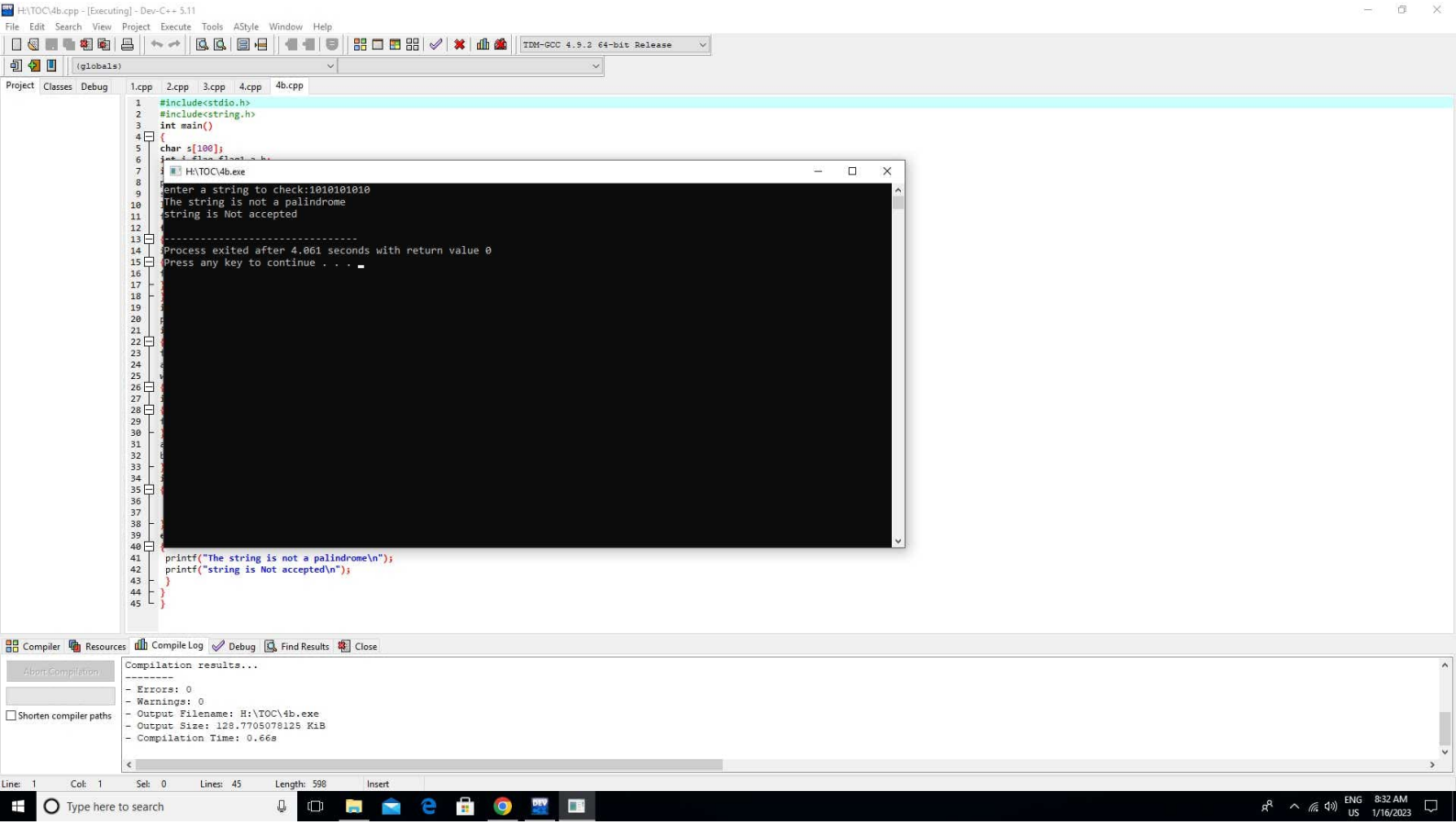

H:\TOC\2.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project
Select H:\TOC\2.exe
How many states in the NFA : 4
How many symbols in the input alphabet : 2
Enter the input symbol 1 : 0
Enter the input symbol 2 : 1
How many final states : 1
Enter the final state 1 : 2
How many transitions from state 0 for the input 0 : 1
Enter the transition 1 from state 0 for the input 0 : 1
How many transitions from state 0 for the input 1 : 1
Enter the transition 1 from state 0 for the input 1 : 3
How many transitions from state 1 for the input 0 : 2
Enter the transition 1 from state 1 for the input 0 : 1
Enter the transition 2 from state 1 for the input 0 : 2
How many transitions from state 1 for the input 1 : 1
Enter the transition 1 from state 1 for the input 1 : 1
How many transitions from state 2 for the input 0 : 0
How many transitions from state 2 for the input 1 : 0
How many transitions from state 3 for the input 0 : 1
Enter the transition 1 from state 3 for the input 0 : 3
How many transitions from state 3 for the input 1 : 2
Enter the transition 1 from state 3 for the input 1 : 2
Enter the transition 2 from state 3 for the input 1 : 3
The transitions are stored as shown below
mat[0][0][0] = 1
mat[0][1][0] = 3
mat[1][0][0] = 1
mat[1][0][1] = 2
mat[1][1][0] = 1
mat[3][0][0] = 3
mat[3][1][0] = 2
mat[3][1][1] = 3
Enter the input string : 0111010
Acepted
Try with another input
Enter the input string : 10010101
Acepted
Try with another input
Enter the input string : 0101001
printf("How many transitions from state %d for the input %d : ",i,symbol[j]);
scanf("%d",&n); for(k=0;k<n;k++)
printf("Enter the transition %d from state %d for the input %d : ",k+1,i,symbol[j]);
scanf("%d",&mat[i][j][k]);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\2.exe
- Output Size: 130.2705078125 KiB
- Compilation Time: 0.61s
Line: 1 Col: 1 Sel: 0 Lines: 121 Length: 2912 Insert
Type here to search
ENG US 8:30 AM 1/16/2023


H:\TOC\3.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes
H:\TOC\3.exe
How may states in the NFA with e-moves:3
How many symbols in the input alphabet including e :3
Enter the symbols without space. Give 'e' first:1
How many transitions from state 0 for the input 1:1
Enter the transitions 1 from state 0 for the input 1 :1
How many transitions from state 0 for the input :0
How many transitions from state 0 for the input :1
Enter the transitions 1 from state 0 for the input :1
How many transitions from state 1 for the input 1:1
Enter the transitions 1 from state 1 for the input 1 :2
How many transitions from state 1 for the input :2
Enter the transitions 1 from state 1 for the input :0
Enter the transitions 2 from state 1 for the input :1
How many transitions from state 1 for the input :0
How many transitions from state 2 for the input 1:0
How many transitions from state 2 for the input :0
How many transitions from state 2 for the input :0
e-closure(0)= {0, 1, 2, }
e-closure(1)= {1, 2, }
e-closure(2)= {2, }
Process exited after 27.64 seconds with return value 0
Press any key to continue . . .
printf("Enter the transitions %d from state %d for the input %c :", k+1,i,symbol[j]);
scanf("%d",&trans_table[i][j][k]);
for(i=0;i<10;i++)
for(j=0;j<10;j++)
e_closure[i][j]=-1;
for(i=0;i<num_states;i++)
e_closure[i][0]=i;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\3.exe
- Output Size: 130.4345703125 KiB
- Compilation Time: 0.64s
Line: 1 Col: 1 Sel: 0 Lines: 92 Length: 1933 Insert
Type here to search
ENG US 8:30 AM 1/16/2023


H:\TOC\4.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1.cpp 2.cpp 3.cpp 4.cpp
1 #include<stdio.h>
2 #include<string.h>
H:\TOC\4.exe
enter a string to check:10111010
string is Not accepted

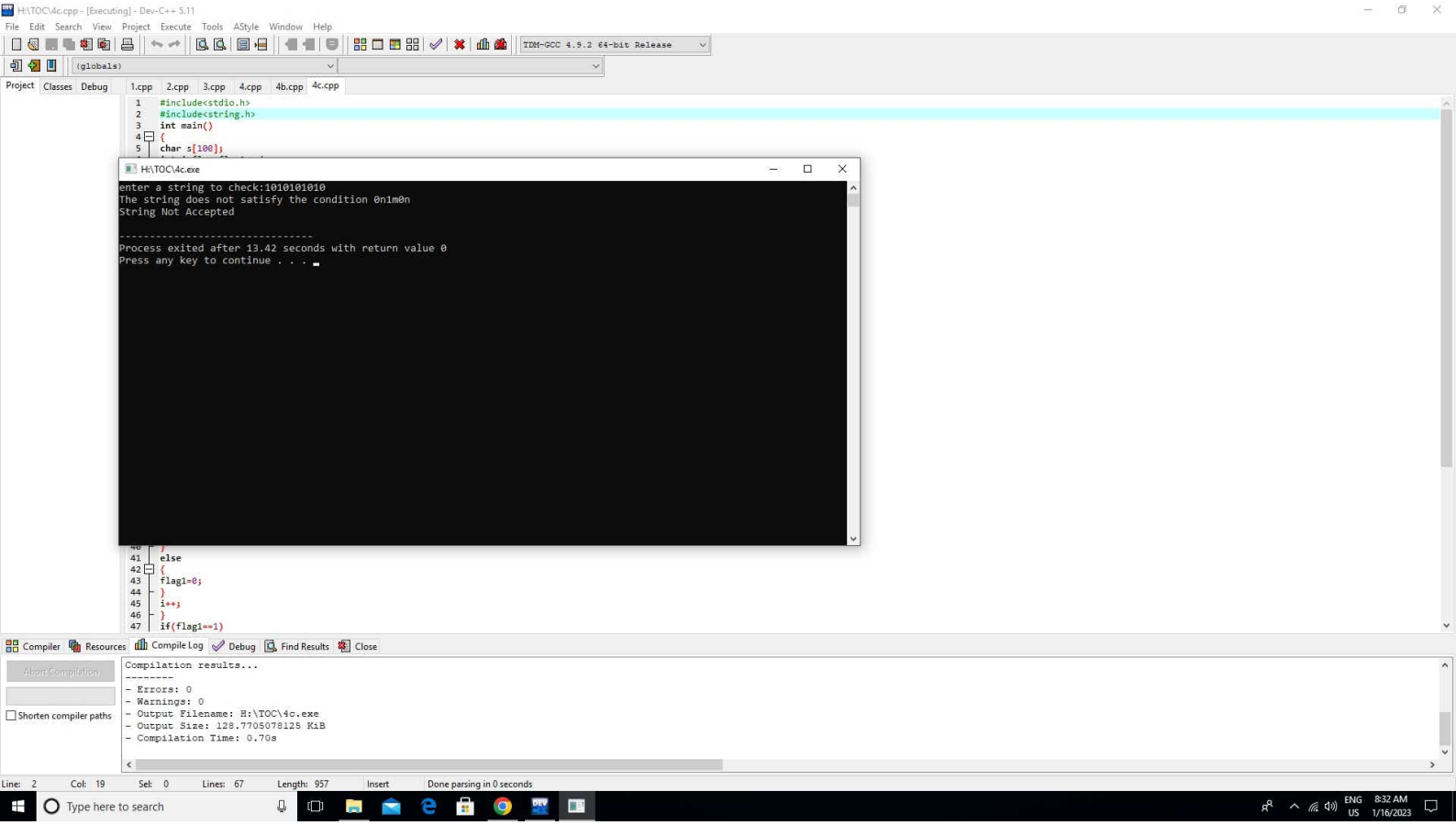
Process exited after 4.323 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

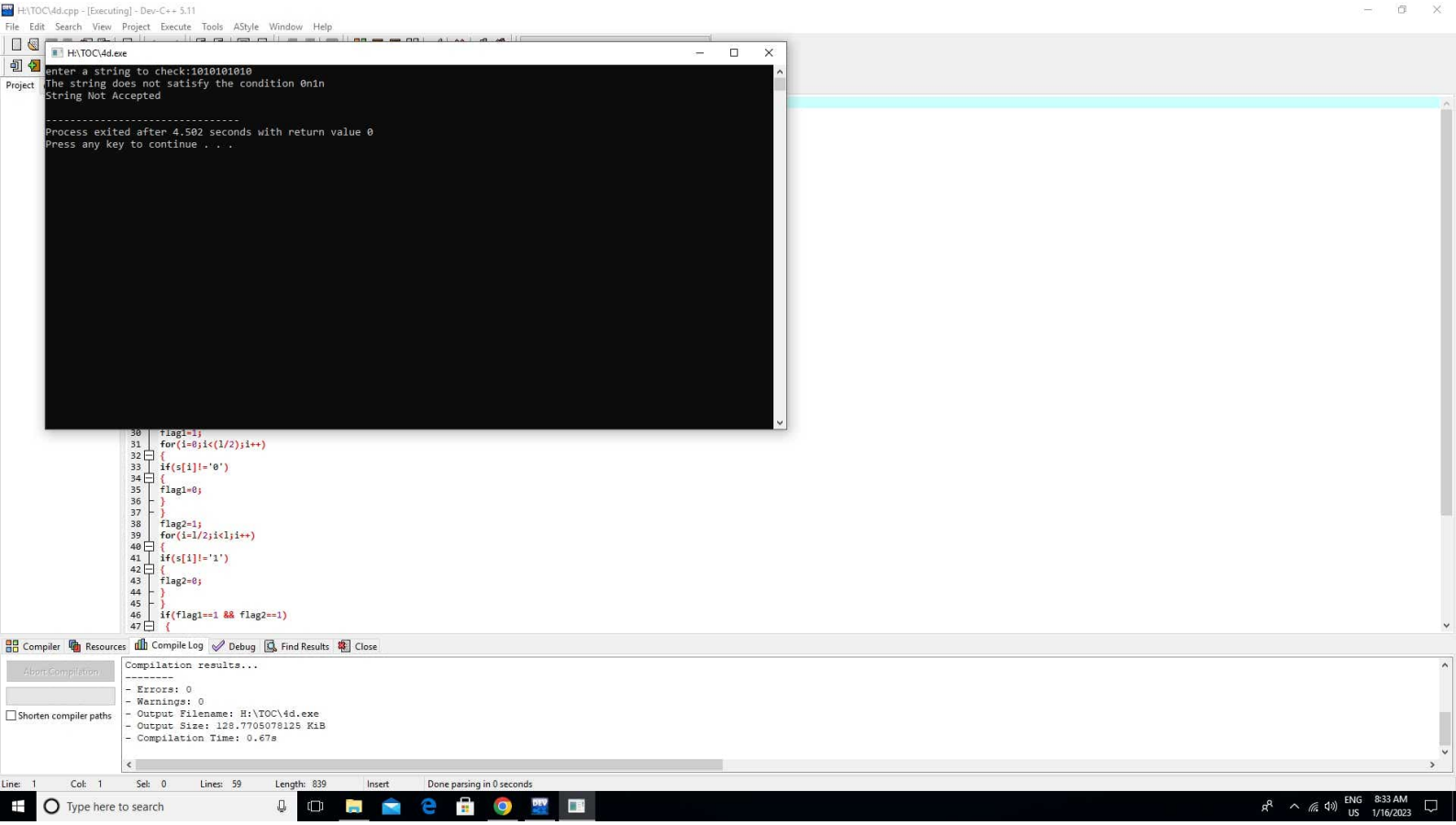
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\4.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.63s
Line: 13 Col: 27 Sel: 0 Lines: 28 Length: 407 Insert
Type here to search
ENG US 8:31 AM 1/16/2023


H:\TOC\4b.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1.cpp 2.cpp 3.cpp 4.cpp 4b.cpp
#include<stdio.h>
#include<string.h>
int main()
{
char s[100];
H:\TOC\4b.exe
Enter a string to check:1010101010
The string is not a palindrome
String is Not accepted

Process exited after 4.061 seconds with return value 0
Press any key to continue . . .
printf("The string is not a palindrome\n");
printf("string is Not accepted\n");
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

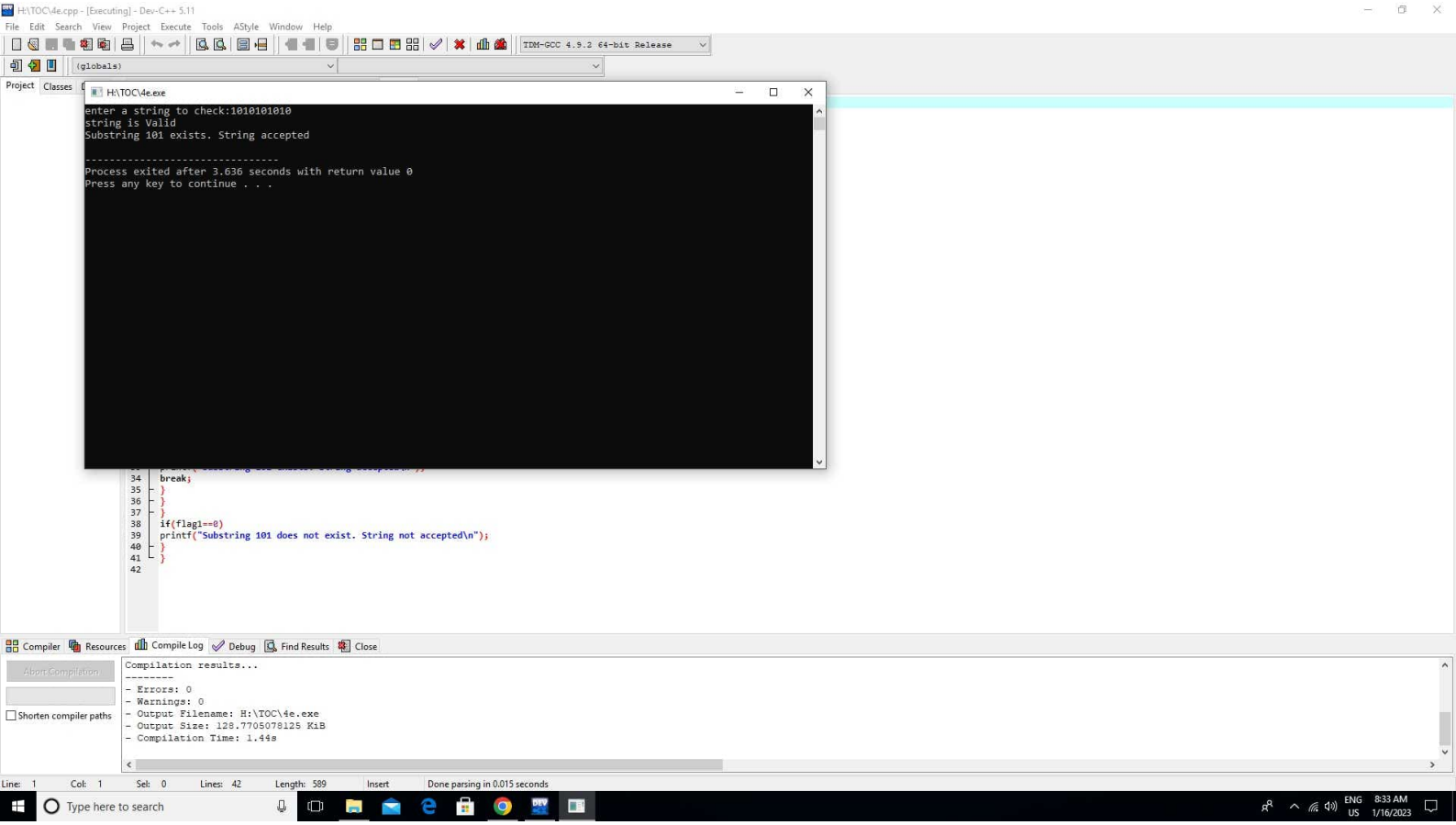
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\4b.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.66s
Line: 1 Col: 1 Sel: 0 Lines: 45 Length: 598 Insert
Type here to search
ENG US 8:32 AM 1/16/2023


H:\TOC\4c.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1.cpp 2.cpp 3.cpp 4.cpp 4b.cpp 4c.cpp
#include<stdio.h>
#include<string.h>
int main()
{
char s[100];
H:\TOC\4c.exe
enter a string to check:1010101010
The string does not satisfy the condition 0n1m0n
String Not Accepted
Process exited after 13.42 seconds with return value 0
Press any key to continue . . .
else
{
flag1=0;
}
i++;
}
if(flag1==1)
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\4c.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.70s
Line: 2 Col: 19 Sel: 0 Lines: 67 Length: 957 Insert Done parsing in 0 seconds
Type here to search
ENG US 8:32 AM 1/16/2023


H:\TOC\4d.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
H:\TOC\4d.exe
enter a string to check:1010101010
The string does not satisfy the condition 0n1n
String Not Accepted

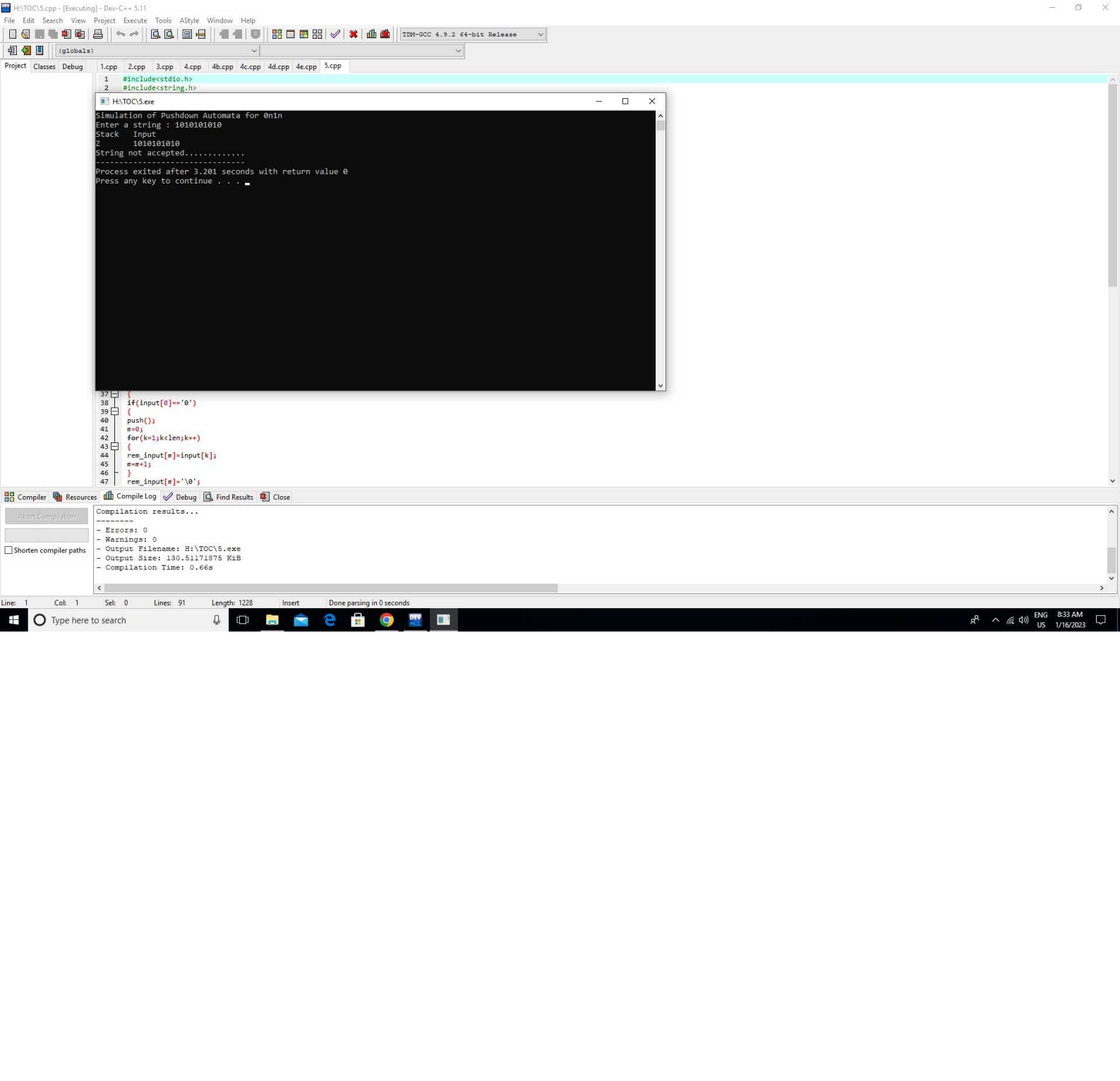
Process exited after 4.502 seconds with return value 0
Press any key to continue . . .
flag1=1;
for(i=0;i<(l/2);i++)
{
if(s[i]!='0')
{
flag1=0;
}
}
flag2=1;
for(i=l/2;i<l;i++)
{
if(s[i]!='1')
{
flag2=0;
}
}
if(flag1==1 && flag2==1)
{
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\4d.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.67s
Line: 1 Col: 1 Sel: 0 Lines: 59 Length: 839 Insert Done parsing in 0 seconds
Type here to search
ENG US 8:33 AM 1/16/2023

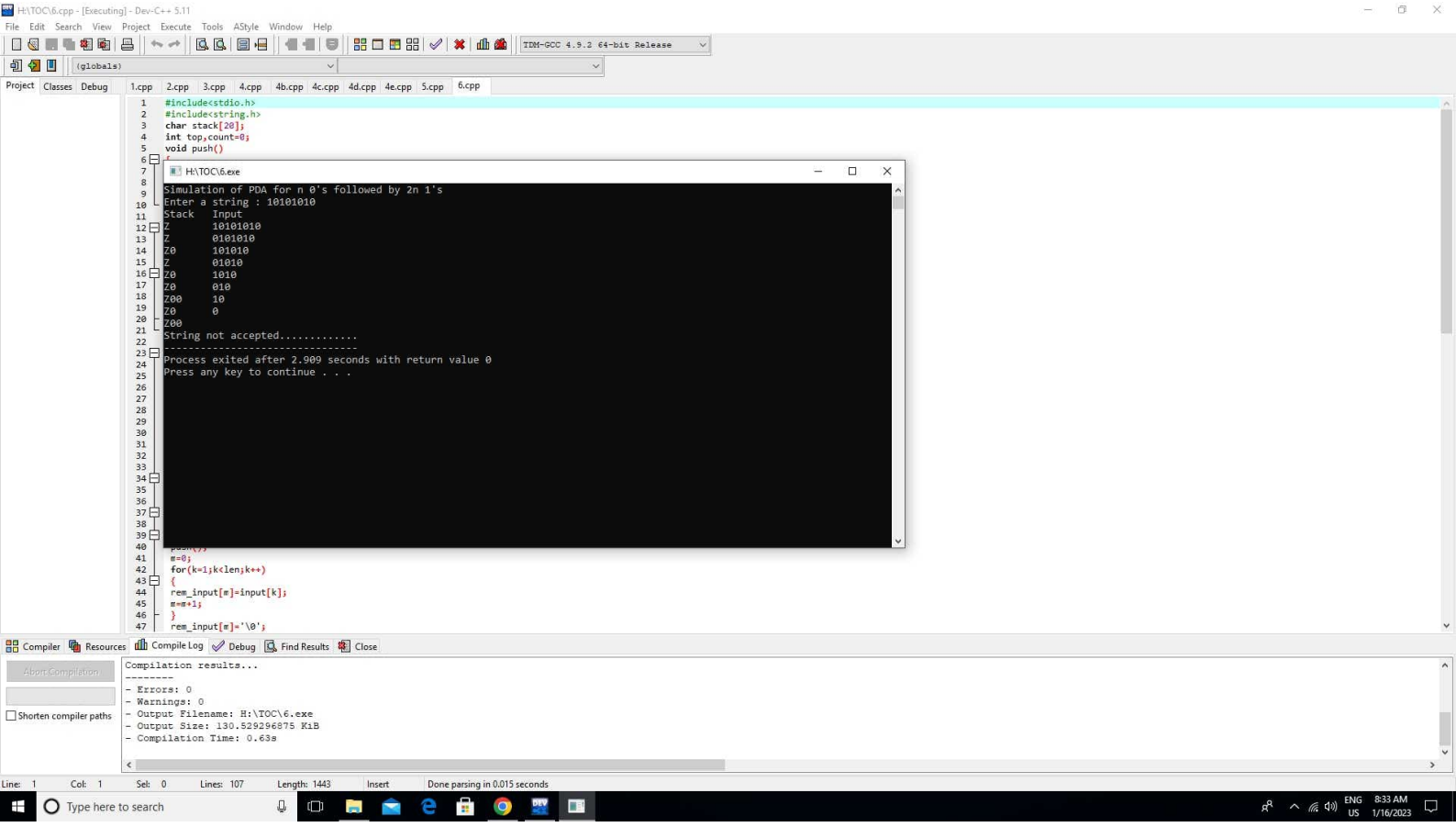

H:\TOC\4e.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes
H:\TOC\4e.exe
enter a string to check:1010101010
string is Valid
Substring 101 exists. String accepted

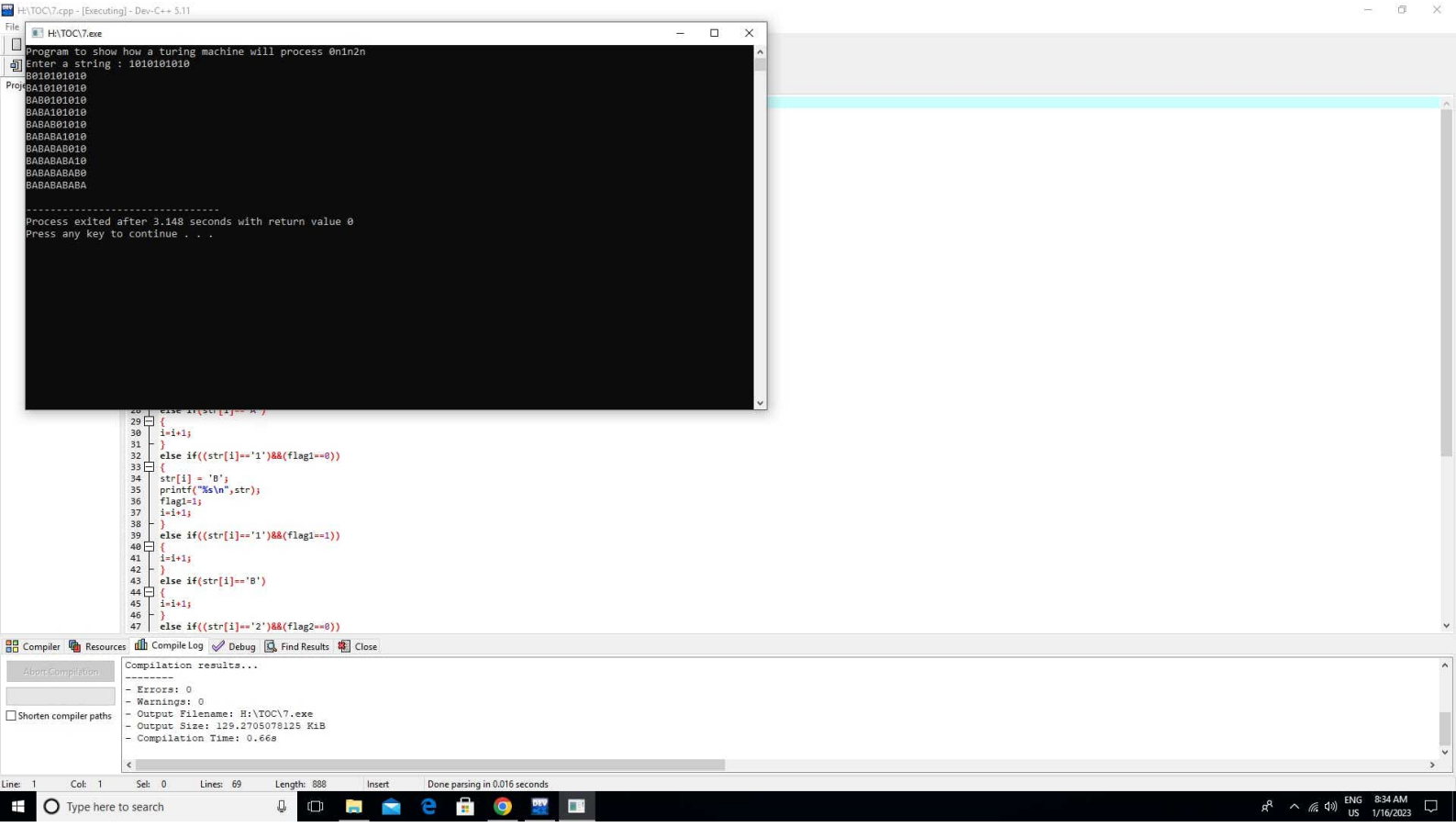
Process exited after 3.636 seconds with return value 0
Press any key to continue . . .
34 break;
35 }
36 }
37 }
38 if(flag1==0)
39 printf("Substring 101 does not exist. String not accepted\n");
40 }
41 }
42
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

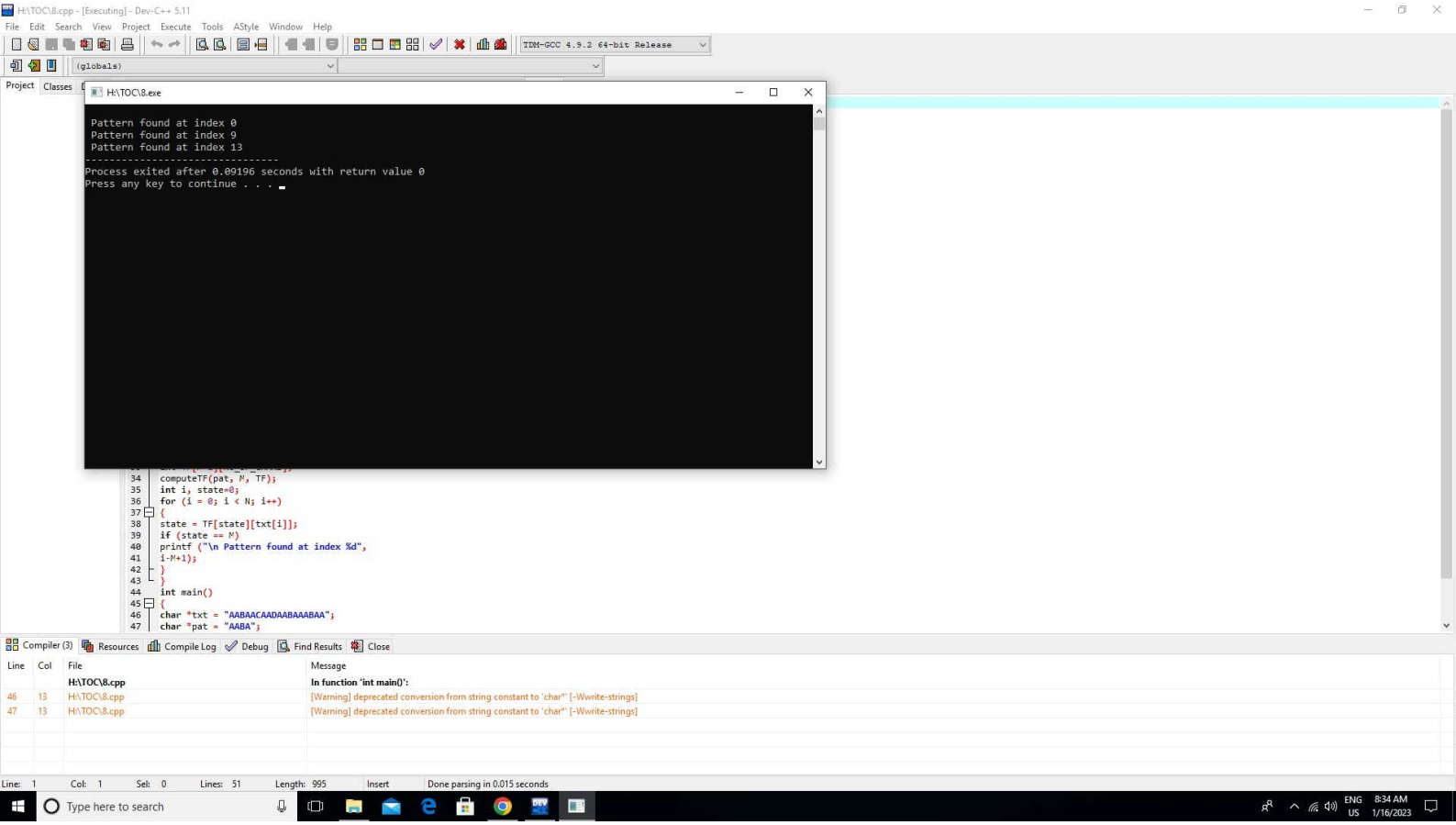
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\4e.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 1.44s
Line: 1 Col: 1 Sel: 0 Lines: 42 Length: 589 Insert Done parsing in 0.015 seconds
Type here to search
ENG US 8:33 AM 1/16/2023


H:\TOC\5.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1.cpp 2.cpp 3.cpp 4.cpp 4b.cpp 4c.cpp 4d.cpp 4e.cpp 5.cpp
#include<stdio.h>
#include<string.h>
H:\TOC\5.exe
Simulation of Pushdown Automata for 0n1n
Enter a string : 1010101010
Stack Input
Z 1010101010
String not accepted.....
Process exited after 3.201 seconds with return value 0
Press any key to continue . . .
{
if(input[0]=='0')
{
push();
m=0;
for(k=1;k<len;k++)
{
rem_input[m]=input[k];
m=m+1;
}
rem_input[m]='\0';
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\5.exe
- Output Size: 130.51171875 KiB
- Compilation Time: 0.66s
Line: 1 Col: 1 Sel: 0 Lines: 91 Length: 1228 Insert Done parsing in 0 seconds
Type here to search
ENG US 8:33 AM 1/16/2023


H:\TOC\6.cpp - [Executing] - Dev-C++ 5.11
H:\TOC\6.exe
Simulation of PDA for n 0's followed by 2n 1's
Enter a string : 10101010
Stack Input
Z 10101010
Z 0101010
Z0 101010
Z 01010
Z0 1010
Z0 010
Z00 10
Z0 0
Z00
String not accepted.....
Process exited after 2.909 seconds with return value 0
Press any key to continue . . .
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\6.exe
- Output Size: 130.529296875 KiB
- Compilation Time: 0.63s


H:\TOC\7.exe
Program to show how a turing machine will process 0n1n2n
Enter a string : 1010101010
B01010101O
BA1010101O
BAB010101O
BABA10101O
BABAB0101O
BABABA101O
BABABAB01O
BABABABA1O
BABABABAB0
BABABABABA
Process exited after 3.148 seconds with return value 0
Press any key to continue . . .
Compiler
Resources
Compile Log
Debug
Find Results
Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: H:\TOC\7.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.66s
Done parsing in 0.016 seconds
Type here to search




```
computeTF(pat, M, TF);
int i, state=0;
for (i = 0; i < N; i++)
{
state = TF[state][txt[i]];
if (state == M)
printf ("\n Pattern found at index %d",
i-M+1);
}
}
int main()
{
char *txt = "AABAACAADAABAAABAA";
char *pat = "AABA";
```

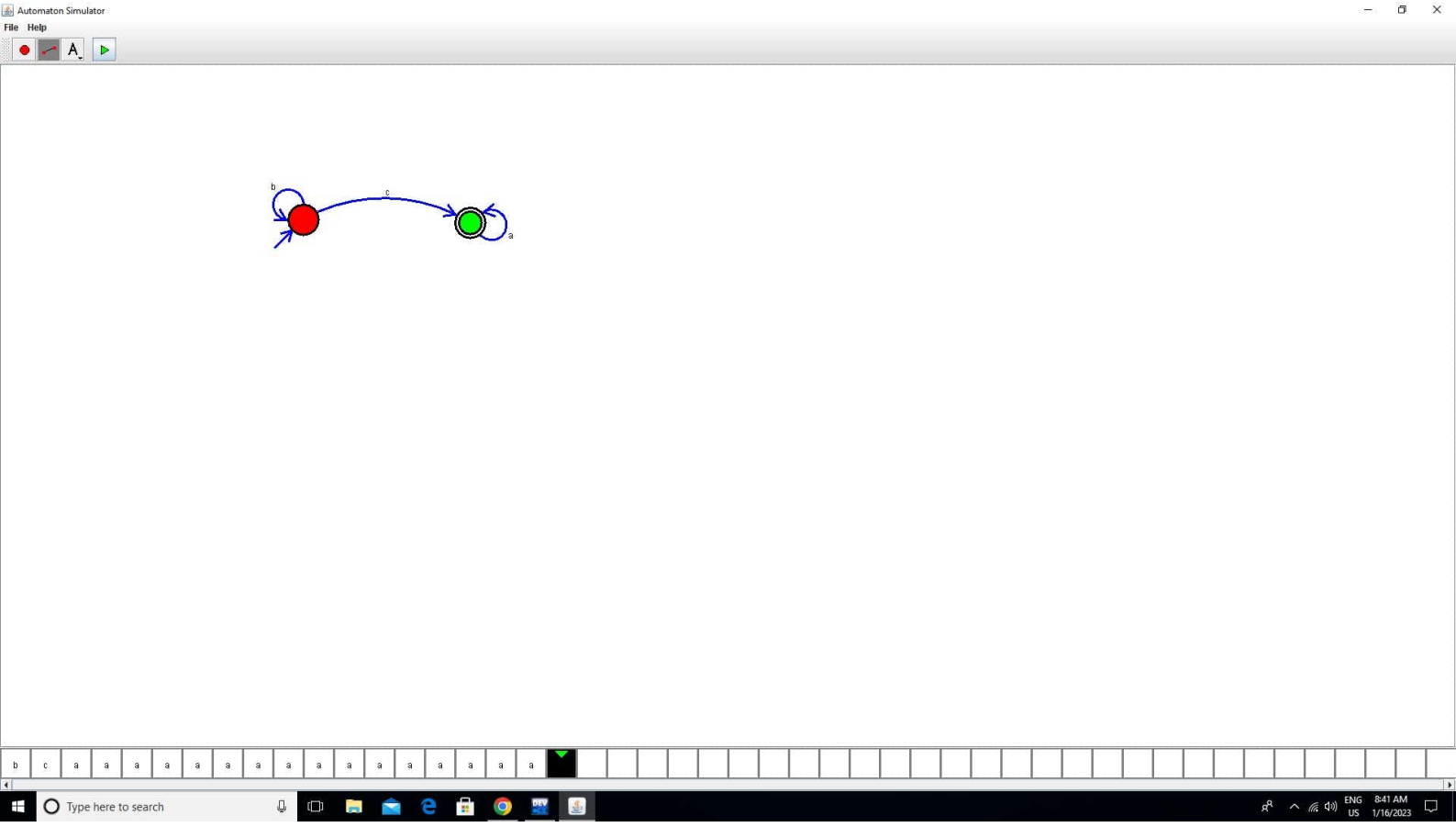
Compiler (3) | Resources | Compile Log | Debug | Find Results | Close

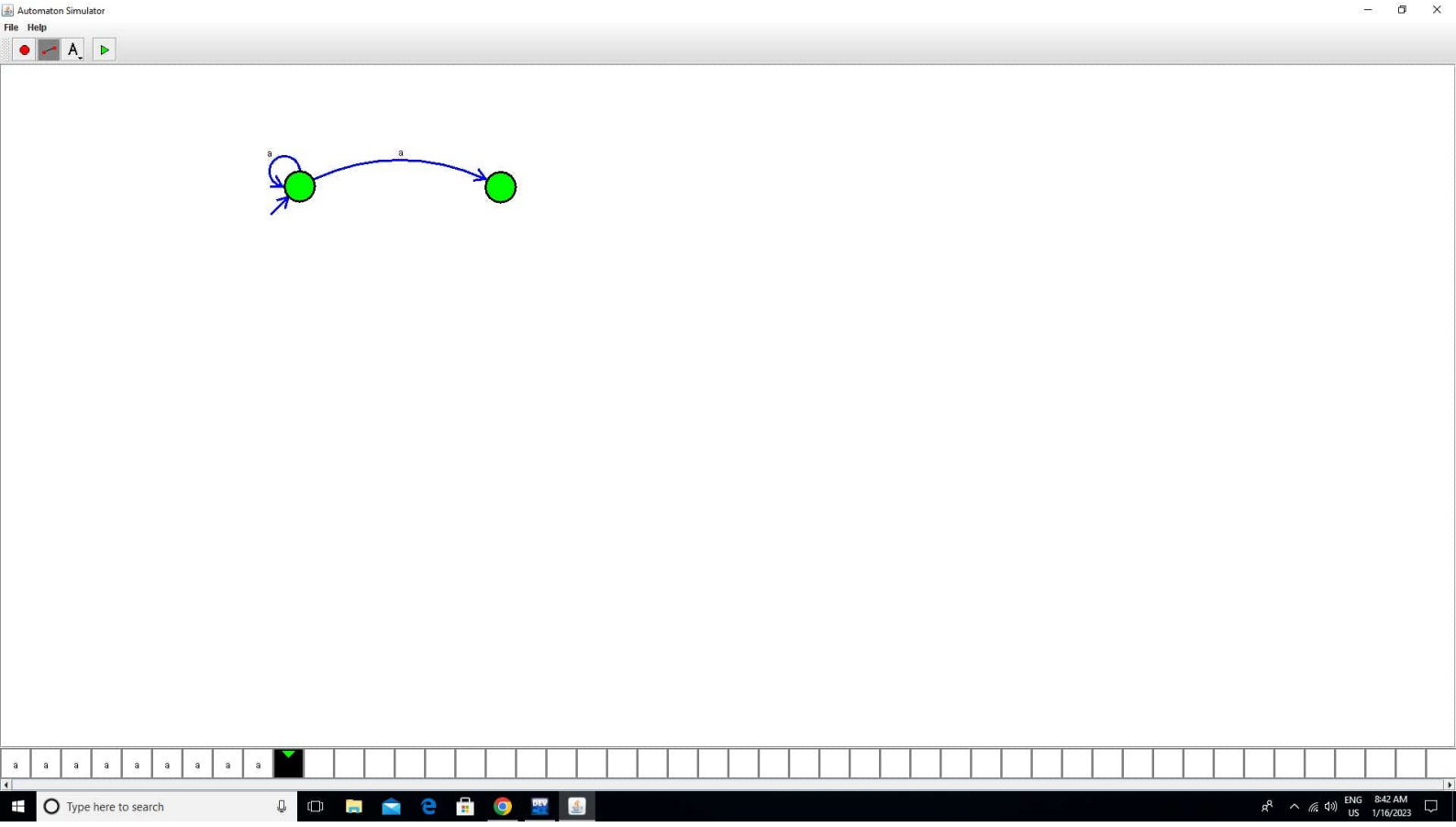
Line	Col	File	Message
		H:\TOC\8.cpp	**In function 'int main()':**
46	13	H:\TOC\8.cpp	[Warning] deprecated conversion from string constant to 'char*' [-Wwrite-strings]
47	13	H:\TOC\8.cpp	[Warning] deprecated conversion from string constant to 'char*' [-Wwrite-strings]

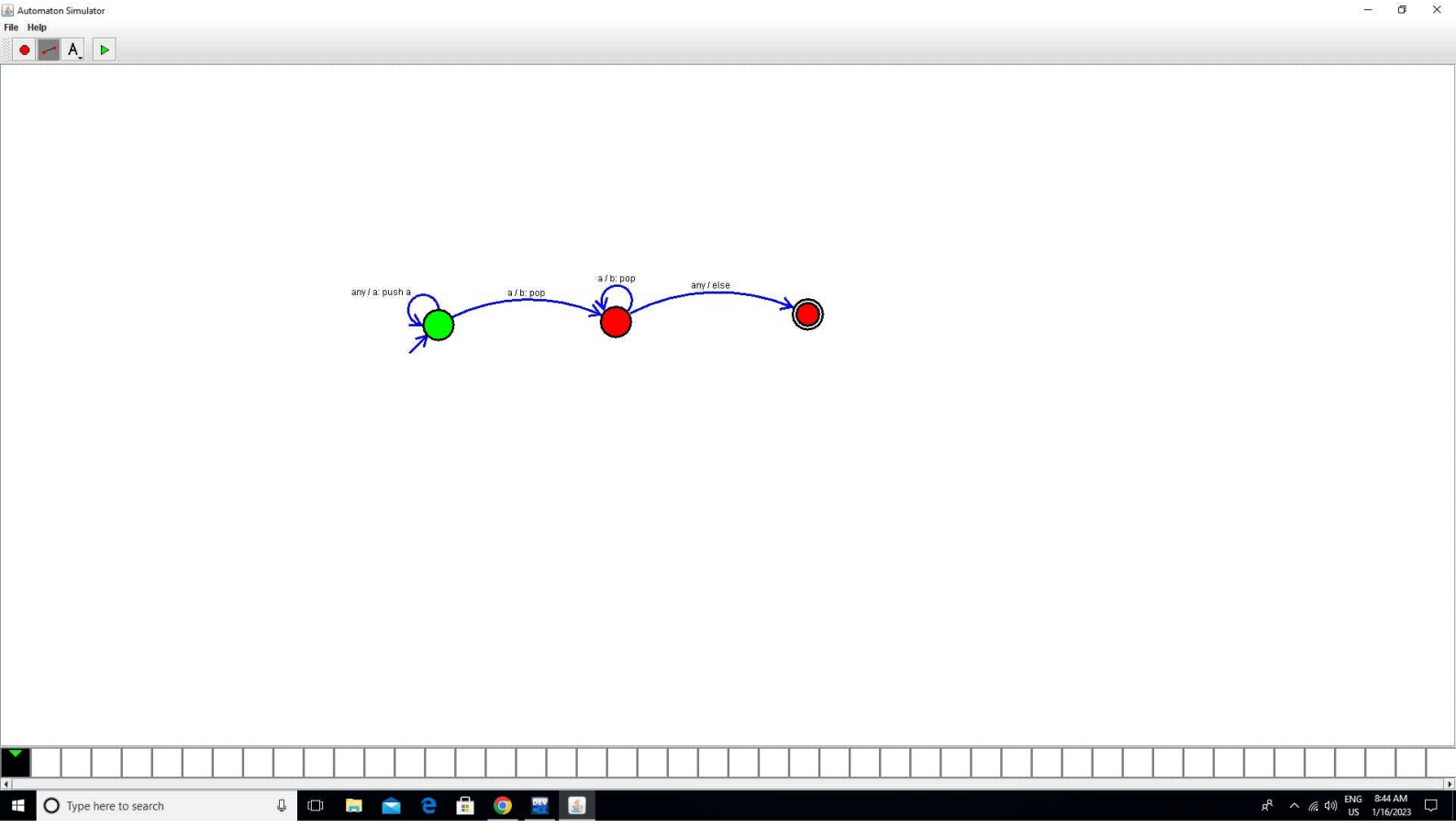
Line: 1 Col: 1 Sel: 0 Lines: 51 Length: 995 Insert Done parsing in 0.015 seconds

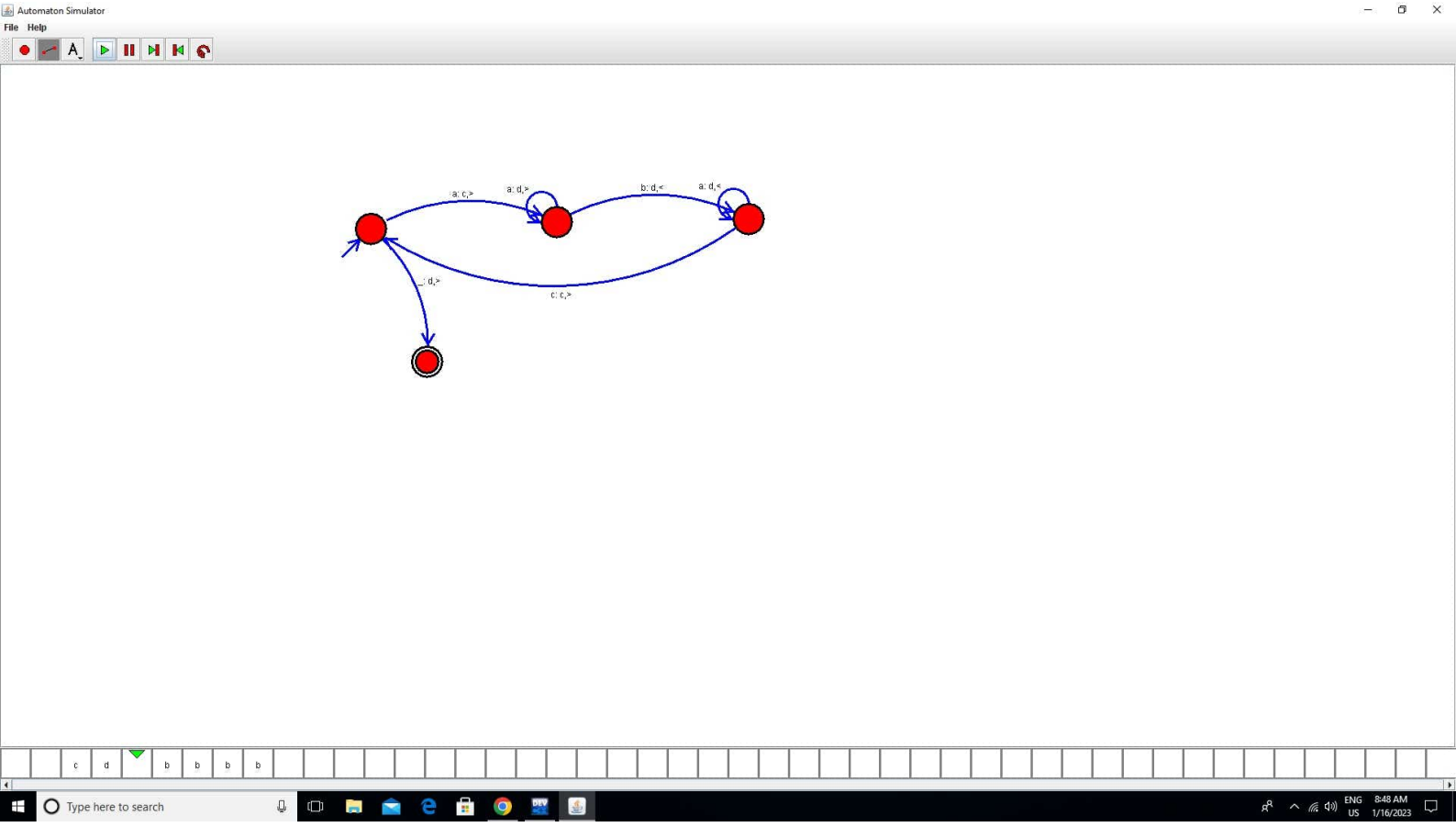
Type here to search

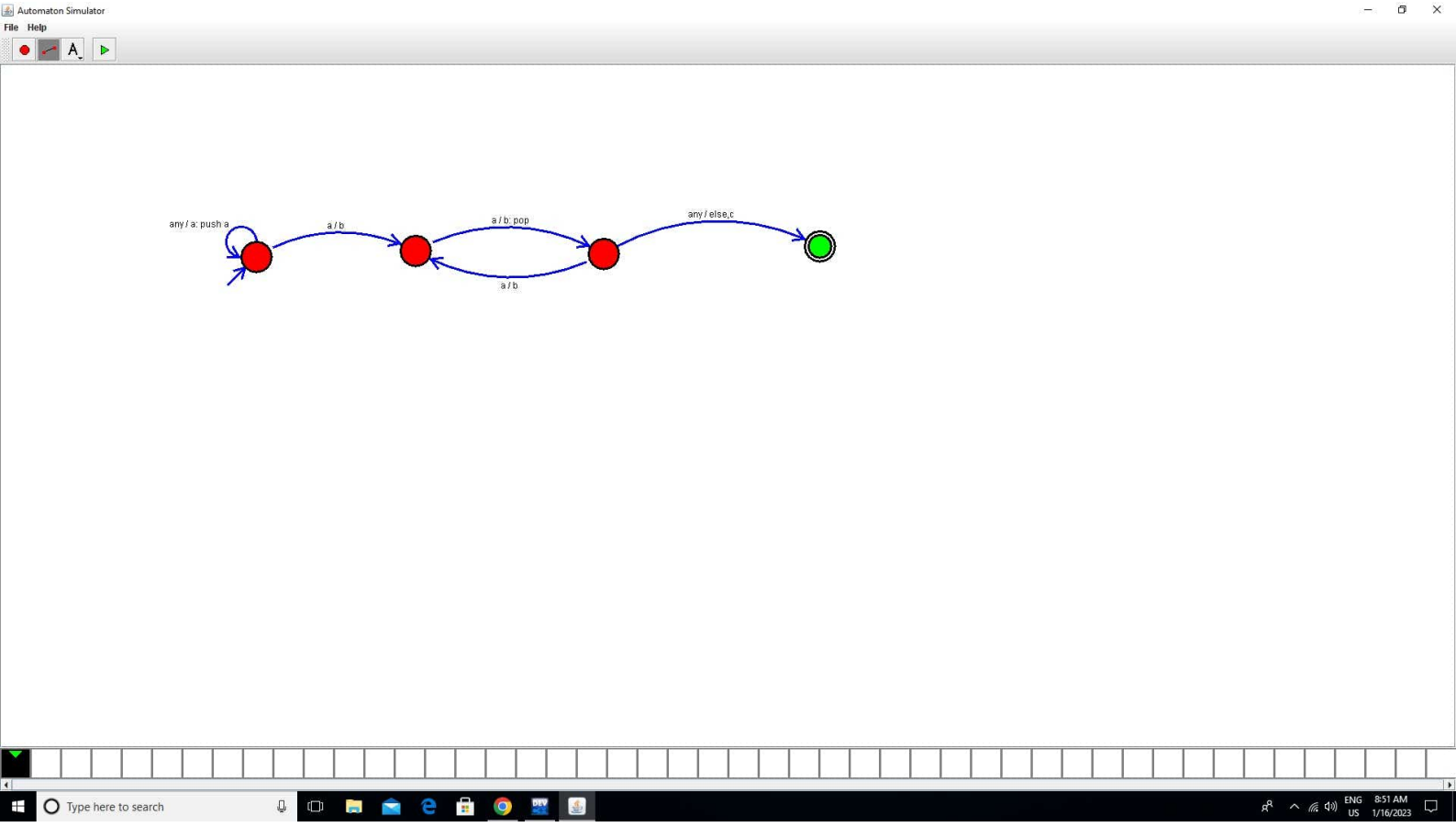
ENG US 8:34 AM 1/16/2023

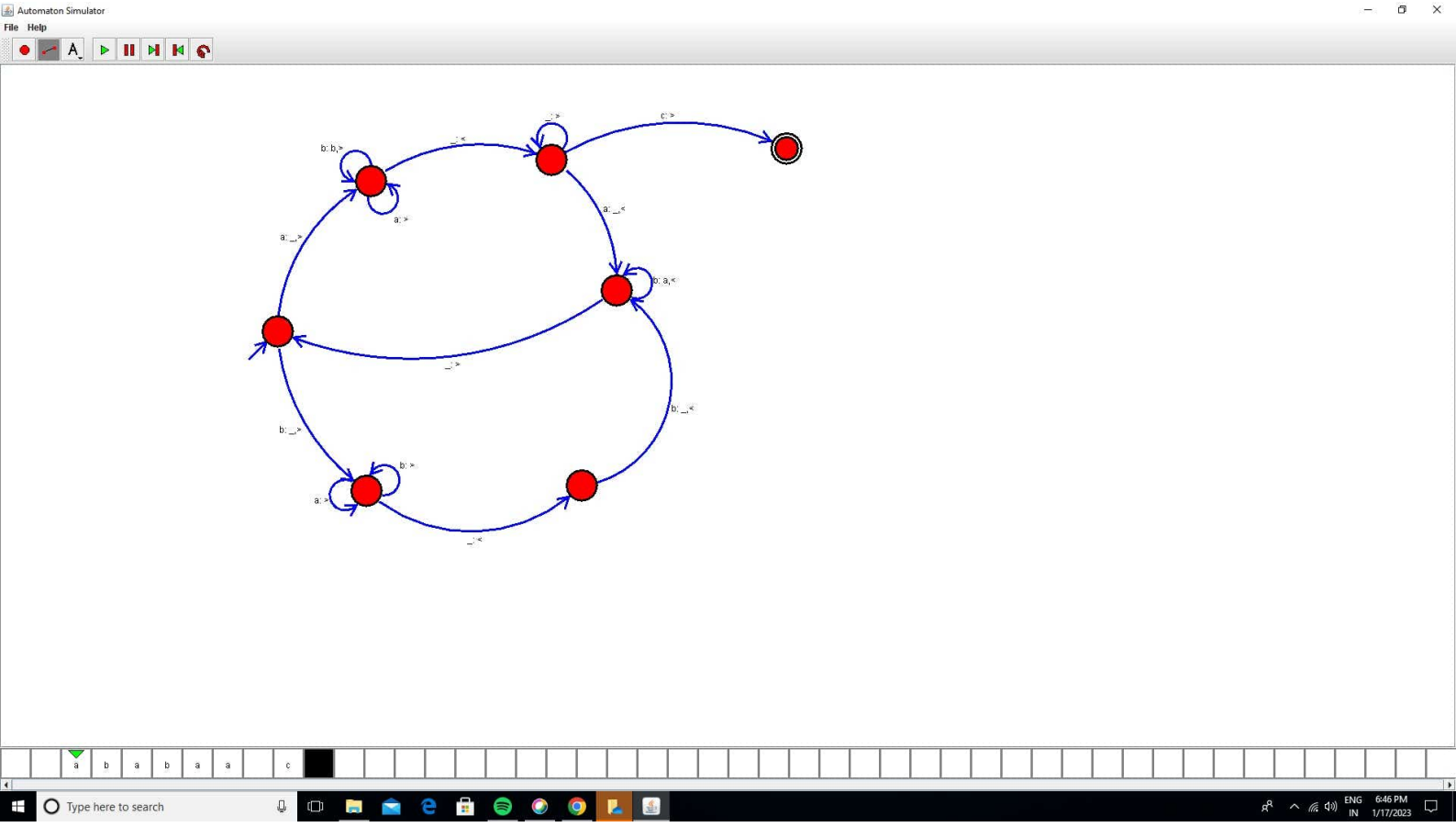

Automaton Simulator
File Help
b
c
a
b c a a a a a a a a a a a a a a a a
Type here to search
ENG US
8:41 AM
1/16/2023

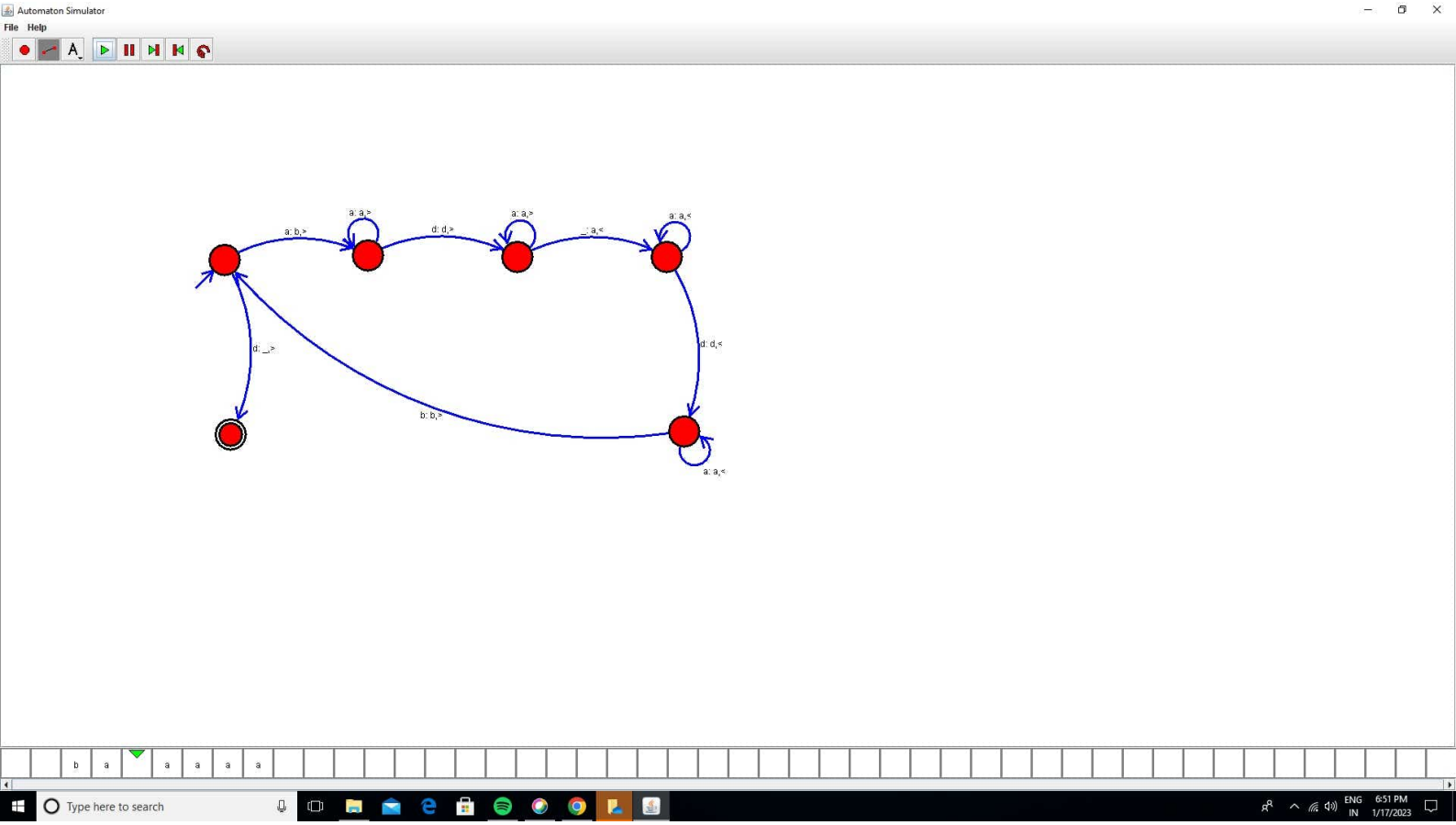

Automaton Simulator
File Help
a
a
a a a a a a a a a
Type here to search
ENG US
8:42 AM
1/16/2023

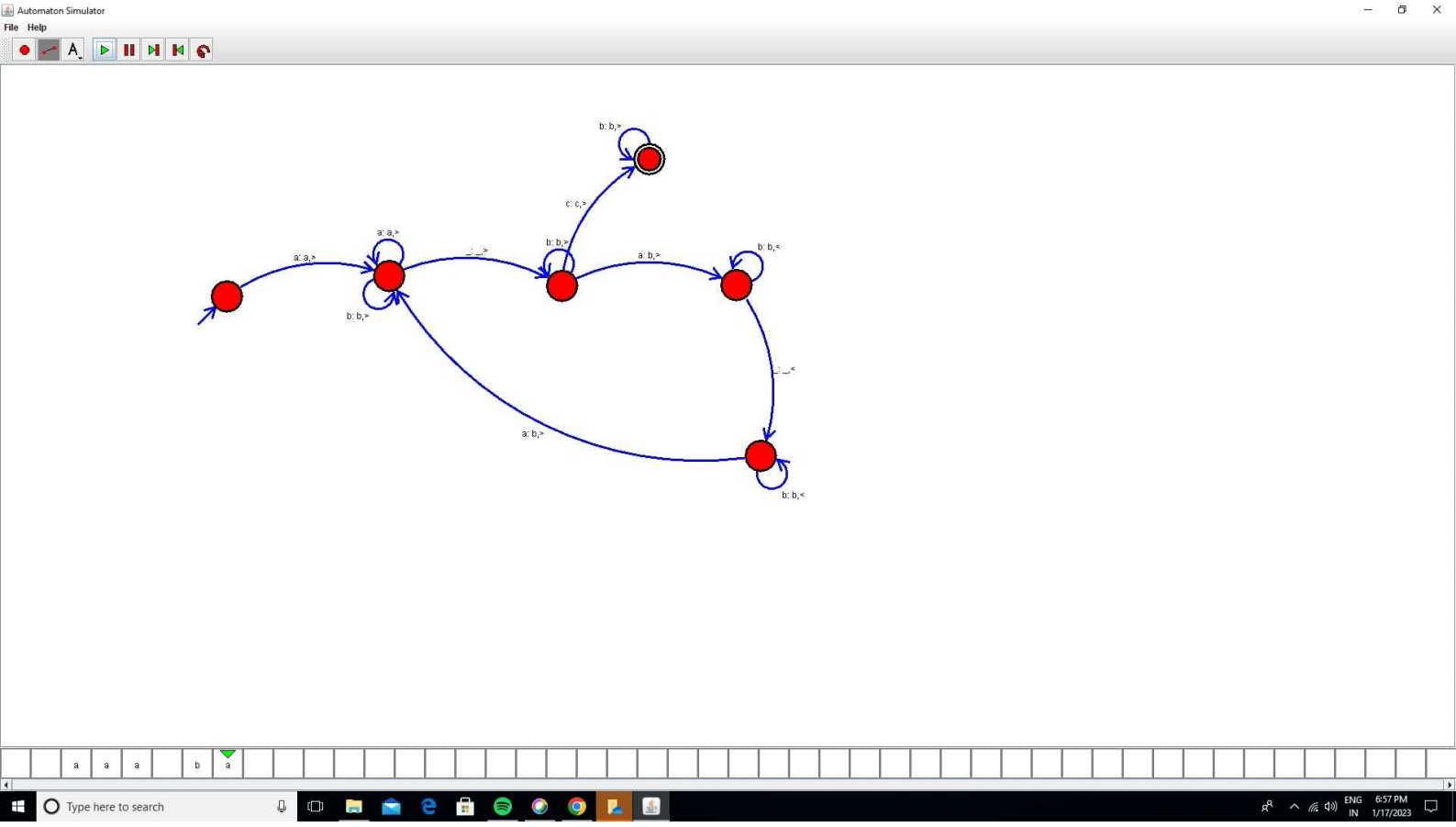

Automaton Simulator
File Help
any / a: push a
a / b: pop
a / b: pop
any / else
Type here to search
ENG
US
8:44 AM
1/16/2023

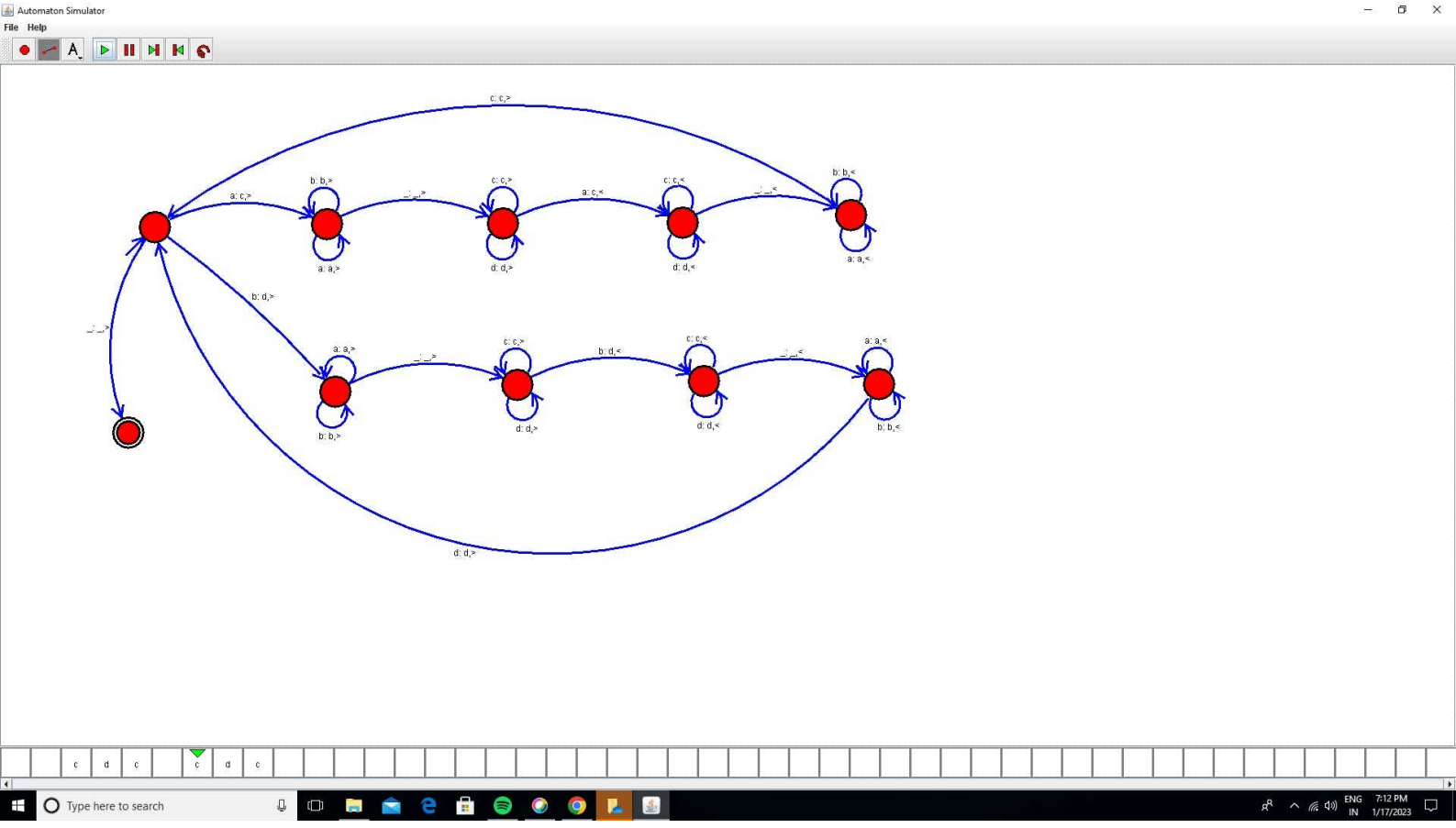

Automaton Simulator
File Help
a; c,>
a; d,>
b; d,<
a; d,<
_; d,>
c; c,>
c
d
b
b
b
b
Type here to search
ENG
US
8:48 AM
1/16/2023


Automaton Simulator
File Help
any / a: push a
a / b
a / b: pop
any / else,c
a / b
Type here to search
ENG
US
8:51 AM
1/16/2023


Automaton Simulator
File Help
b: b,>
a: >
a: _,>
_: >
c: >
a: _,<
b: a,<
_: >
b: _,<
b: _,>
b: >
a: >
_: <
a
b
a
b
a
a
c
Type here to search
ENG
IN
6:46 PM
1/17/2023


Automaton Simulator
File Help
a: b,>
a: a,>
d: d,>
a: a,>
_: a,<
a: a,<
d: _,>
d: d,<
b: b,>
a: a,<
b a a a a
Type here to search
ENG
IN
6:51 PM
1/17/2023


Automaton Simulator
File Help
b: b,>
c: c,>
a: a,>
a: a,>
_: _,>
b: b,>
a: b,>
b: b,<
b: b,>
_: _,<
a: b,>
b: b,<
a a a b a
Type here to search
ENG
IN
6:57 PM
1/17/2023


Automaton Simulator
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