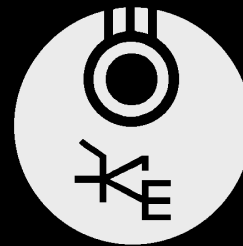


Міністерство освіти і науки України  
Державний вищий навчальний заклад  
“Національний гірничий університет”



КАФЕДРА ЕЛЕКТРОПРИВОДА

Кафедра електропривода

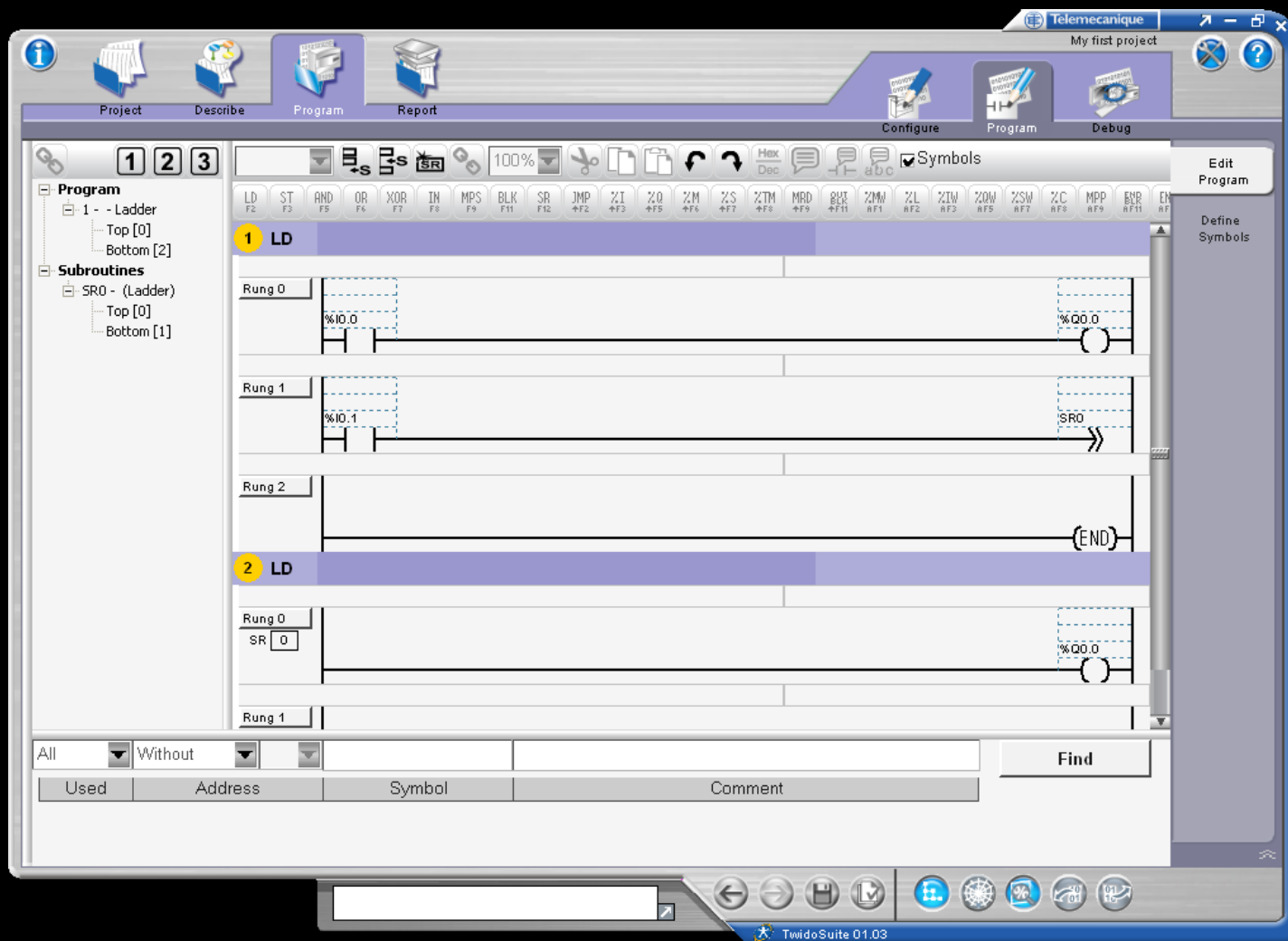
Авторизований навчальний центр “Schneider Electric”

Розробив: Яланський О.А., доцент кафедри електропривода

м. Дніпропетровськ

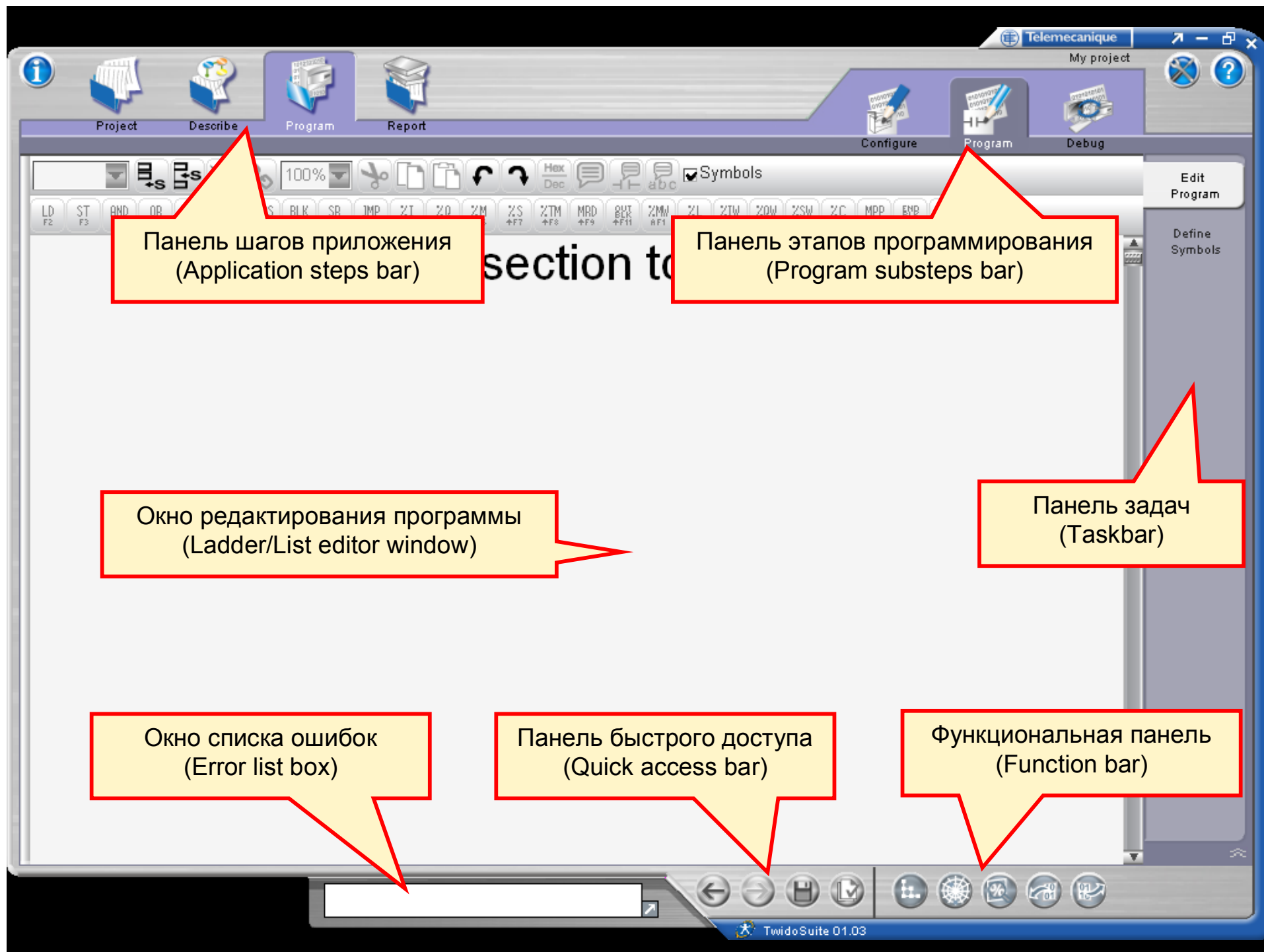
2007 - 2012

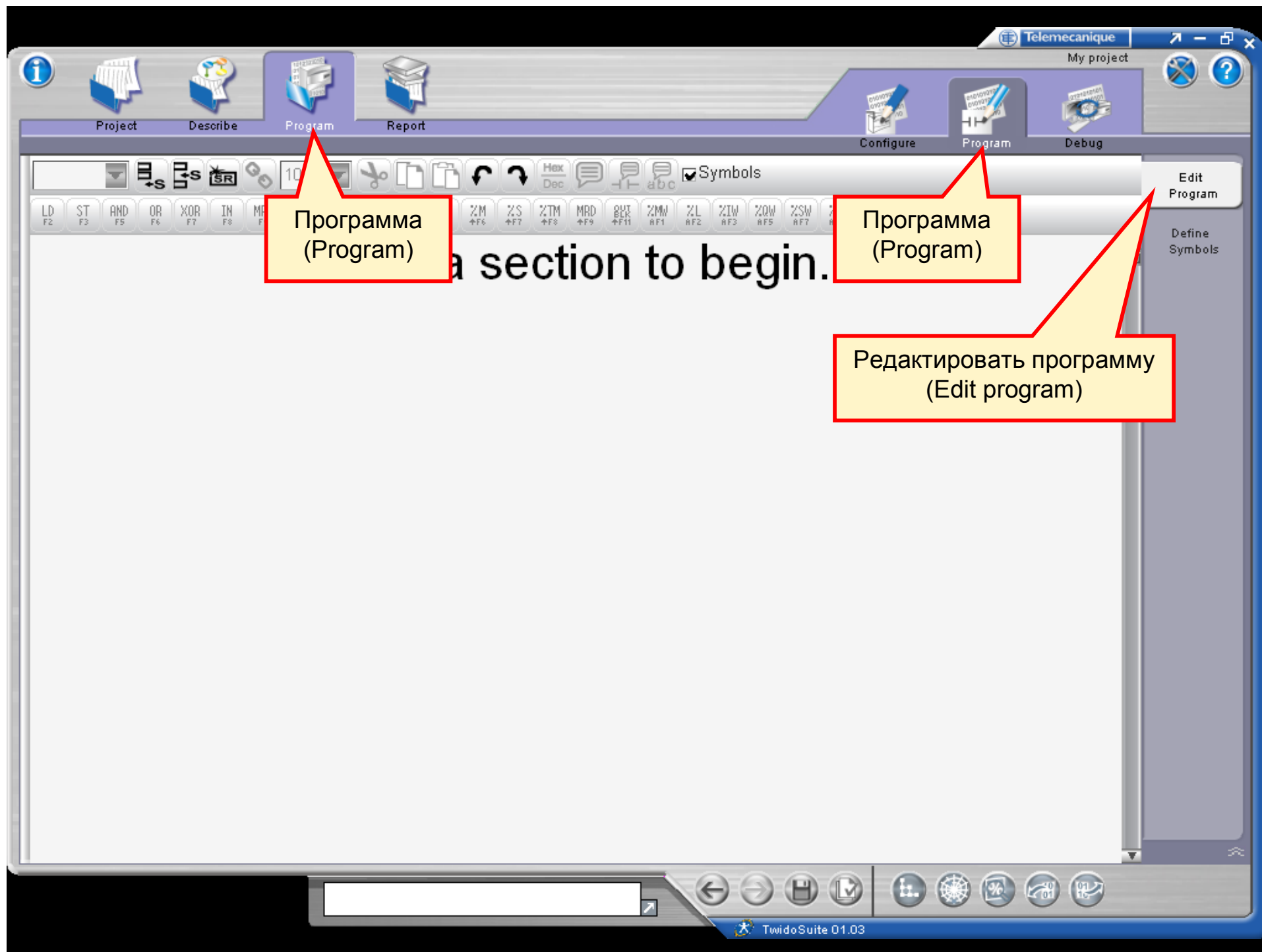
# Программирование в Twido Suite

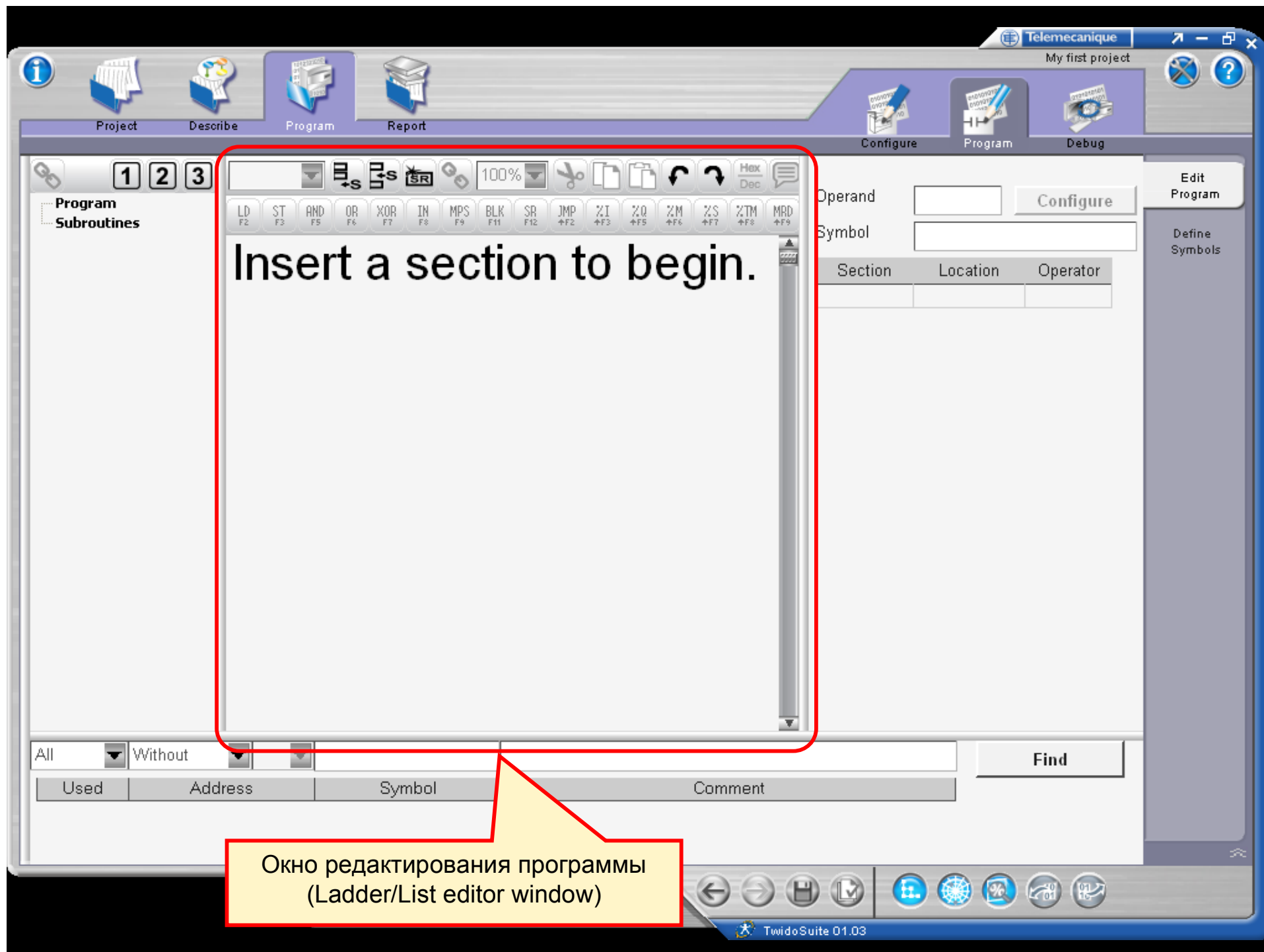


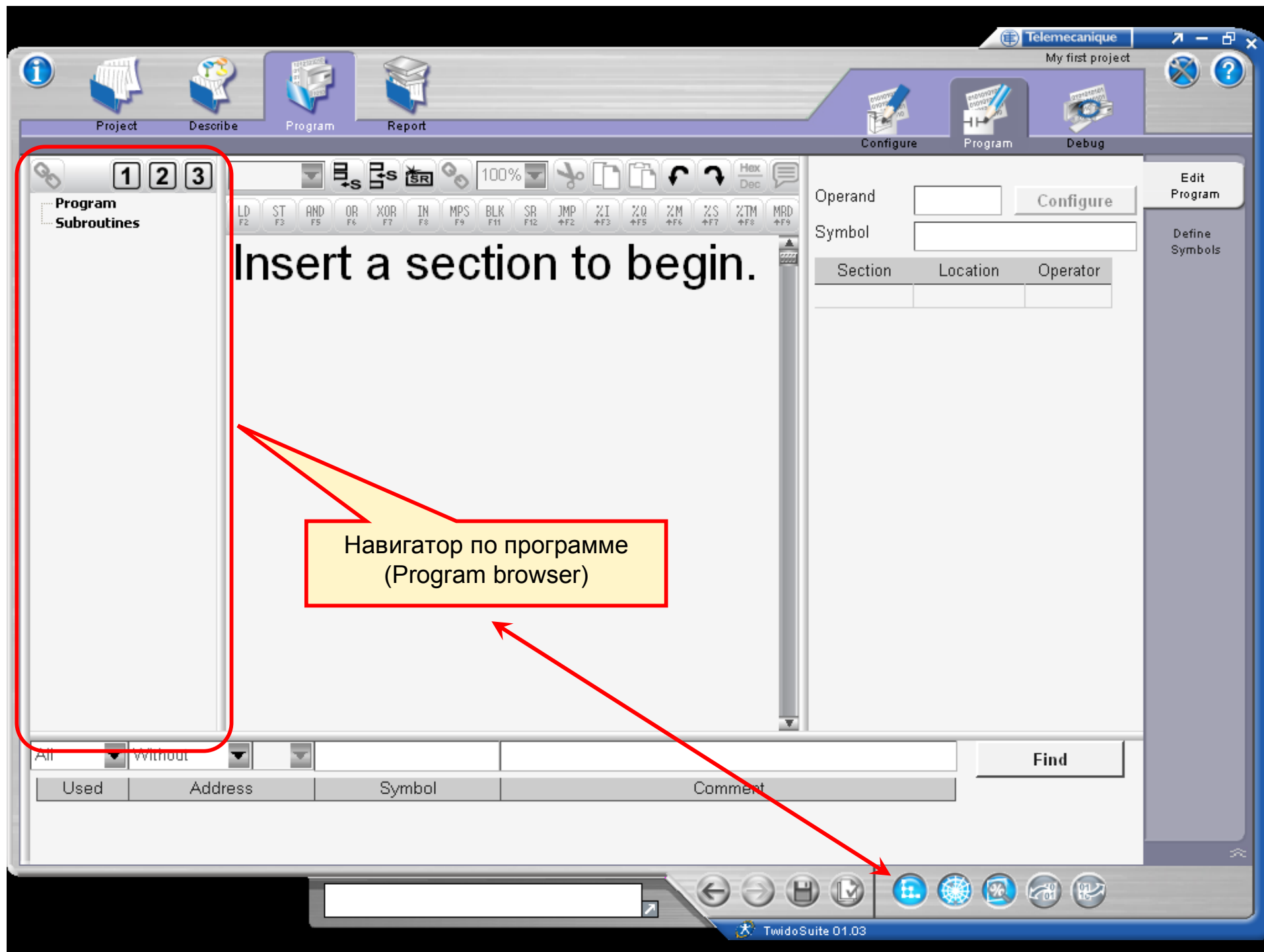
Режим программирования  
("Programming" Mode)

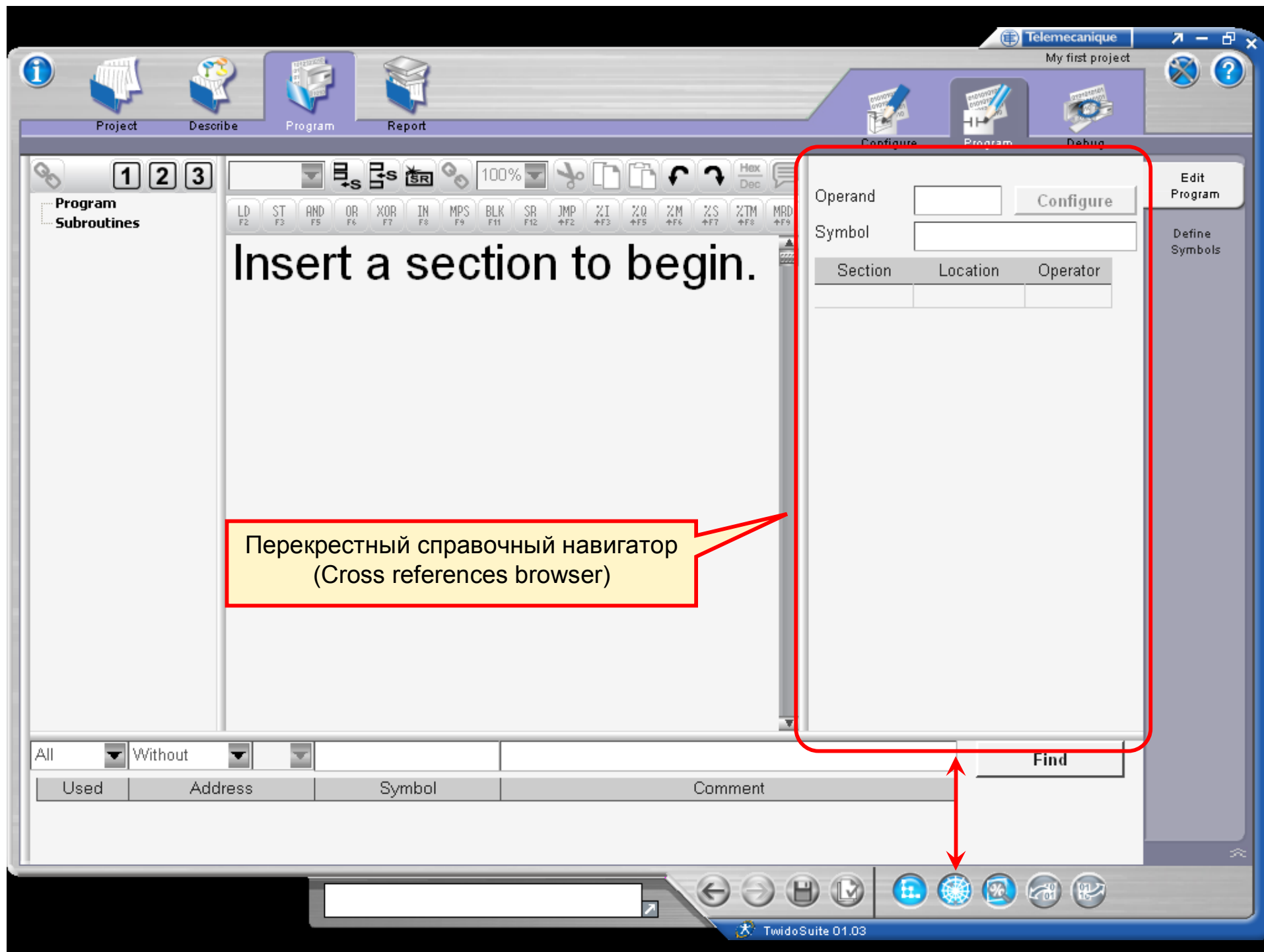


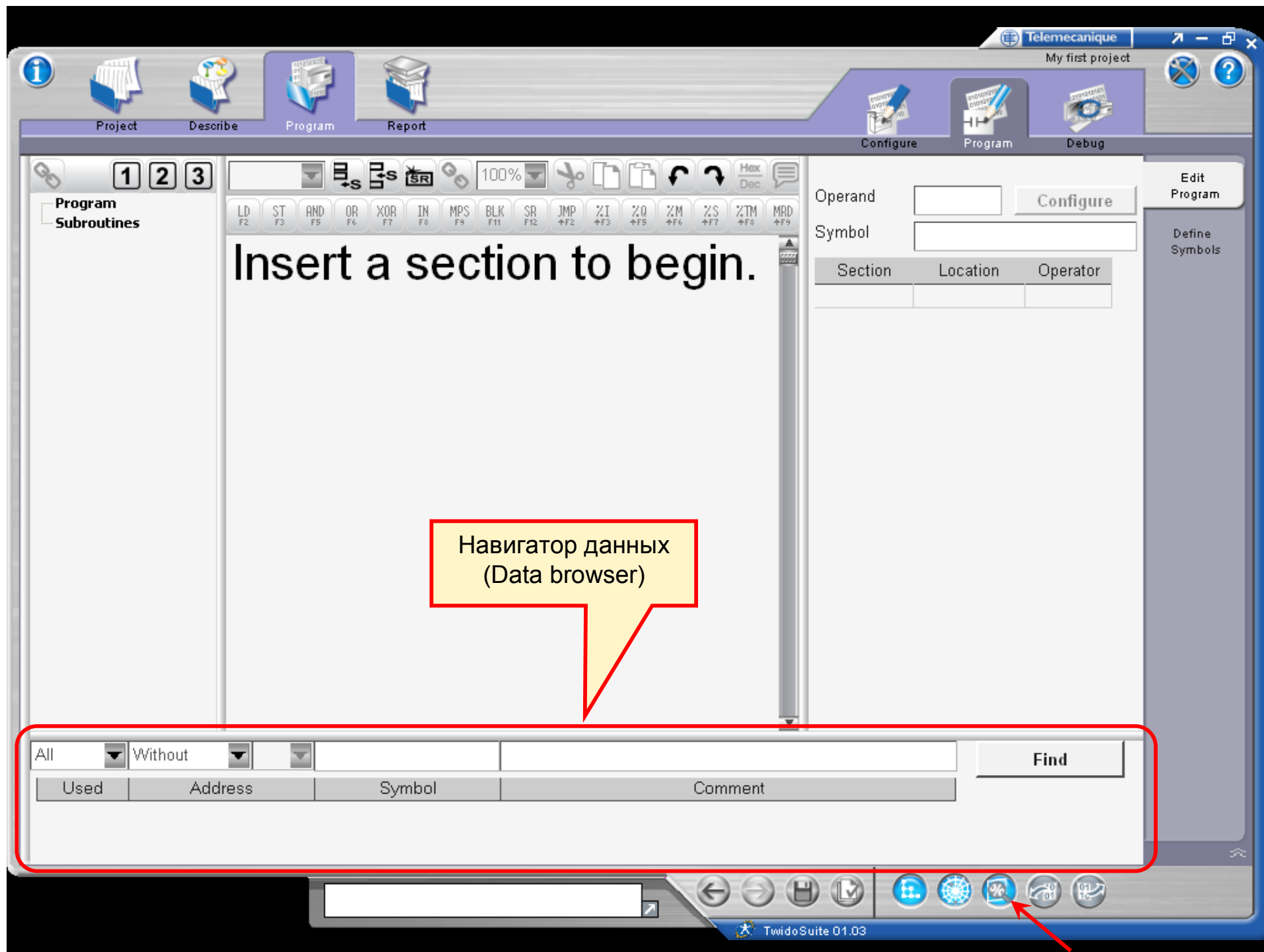


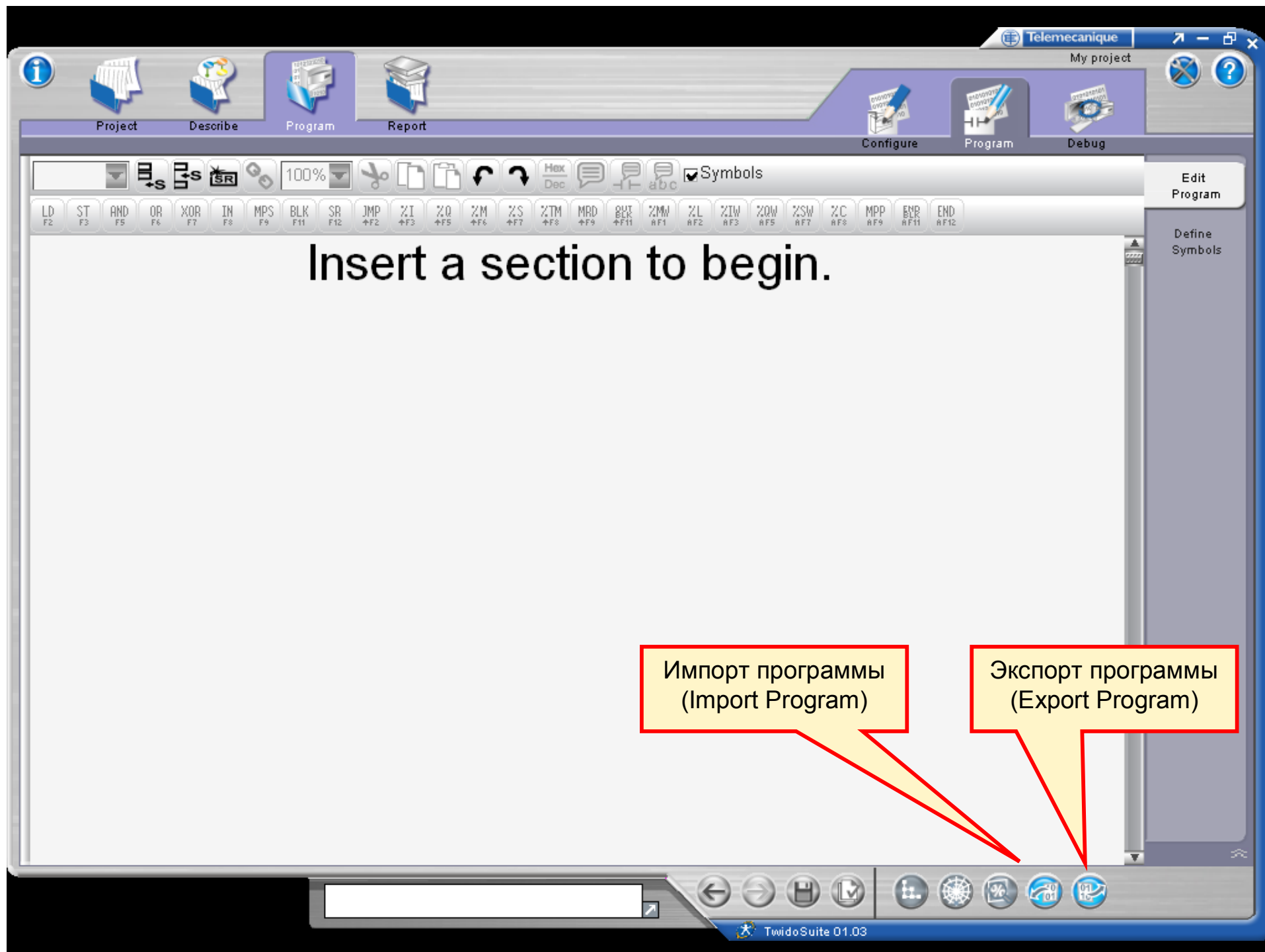




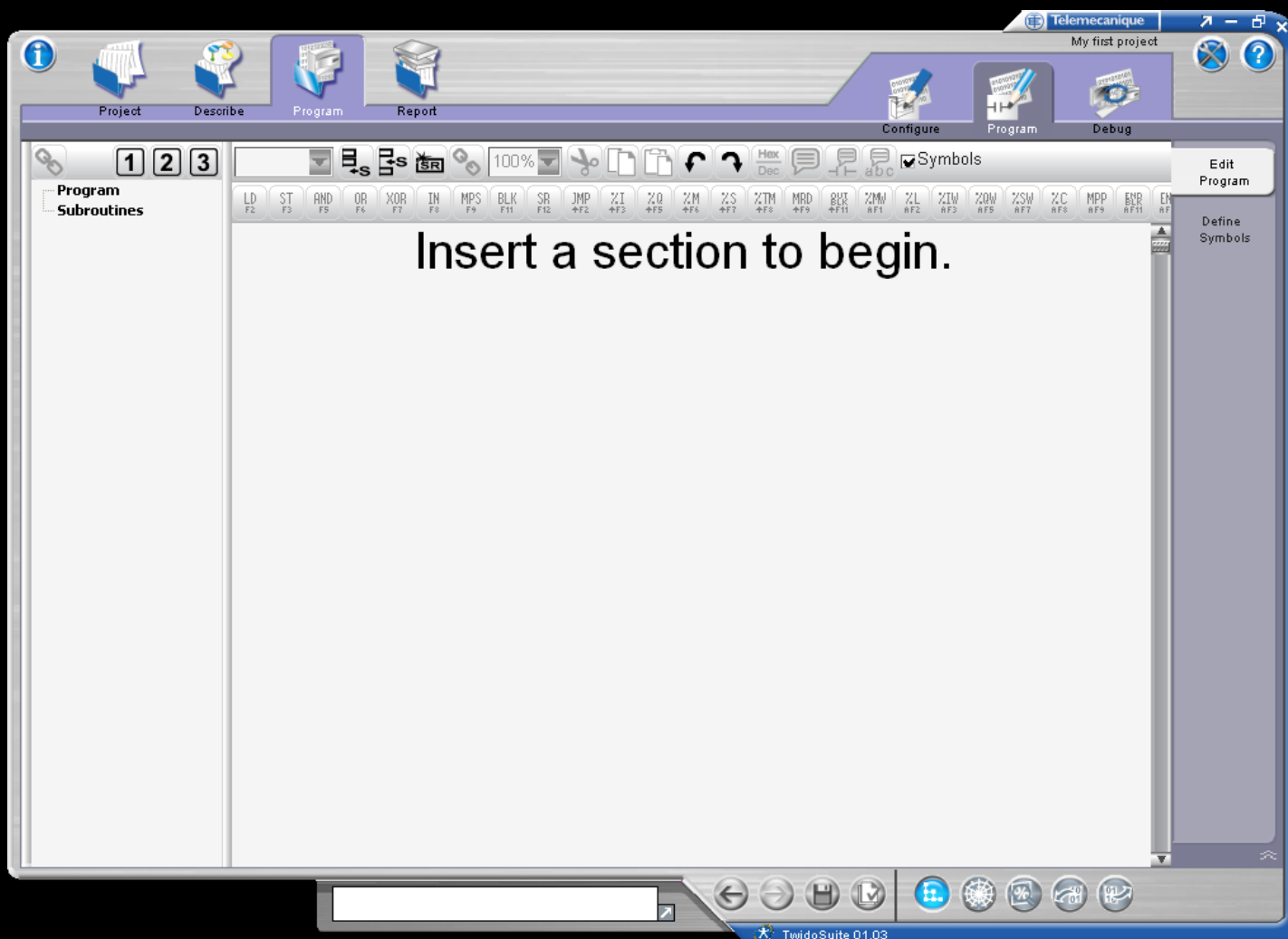


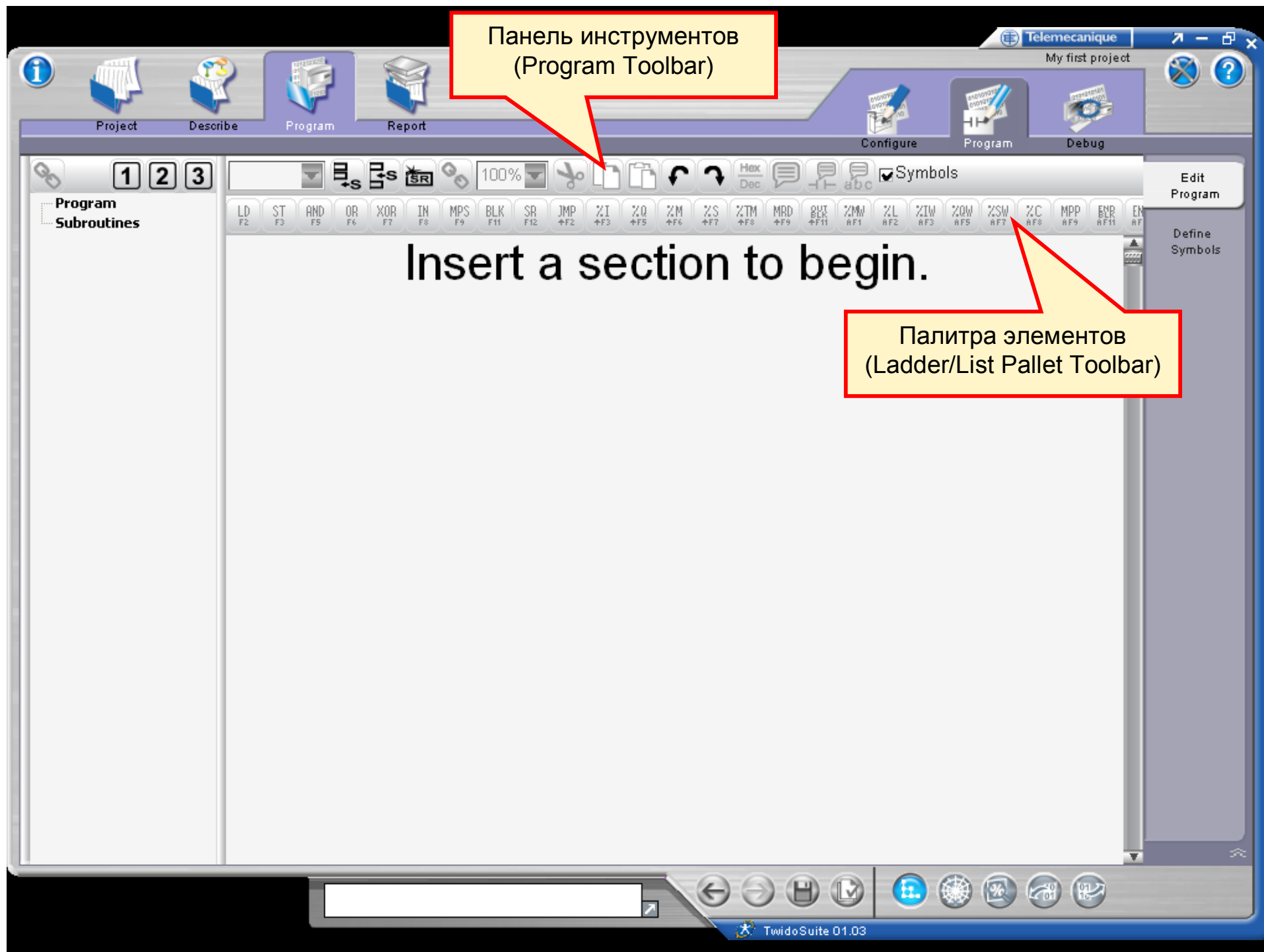


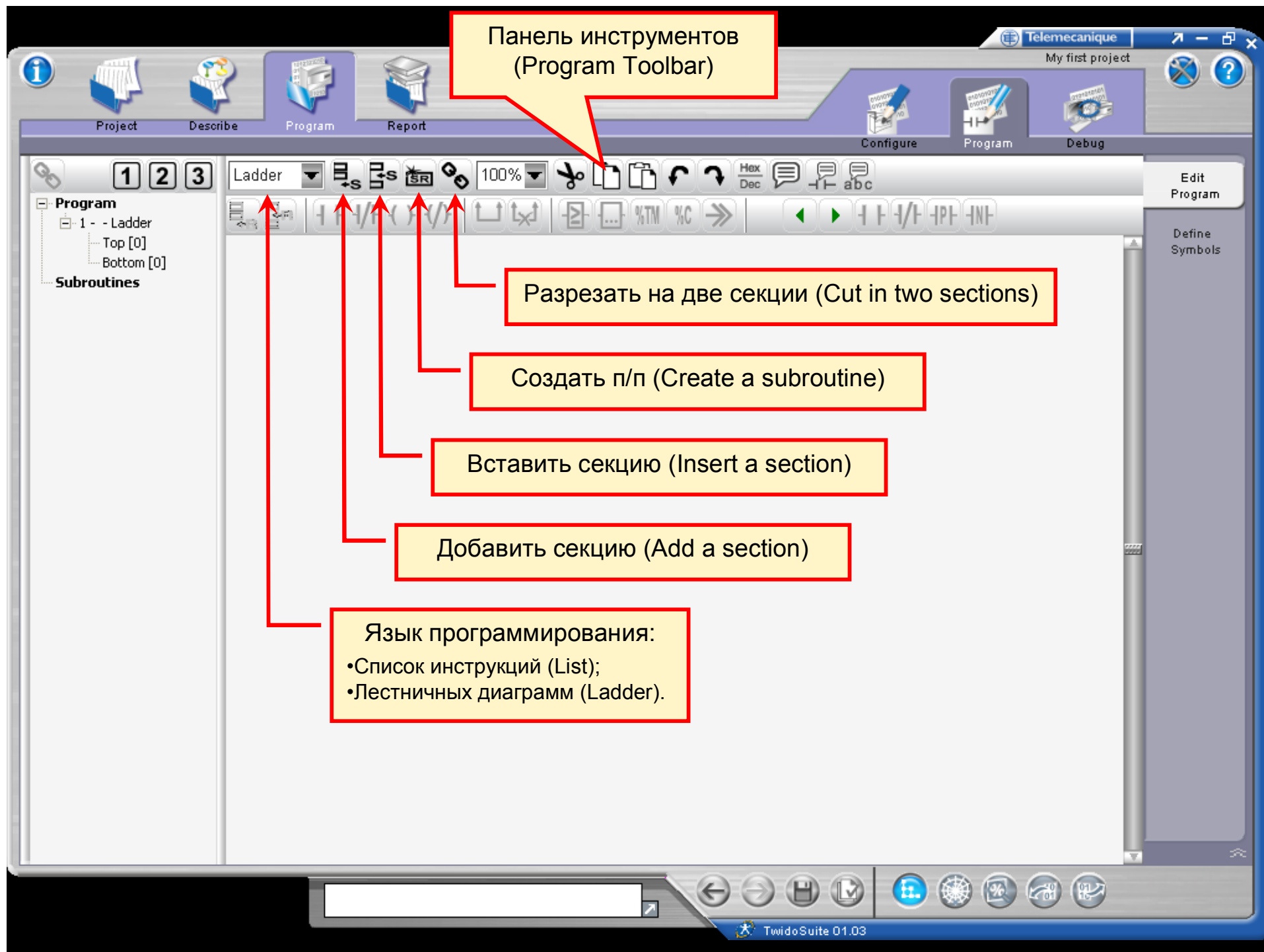


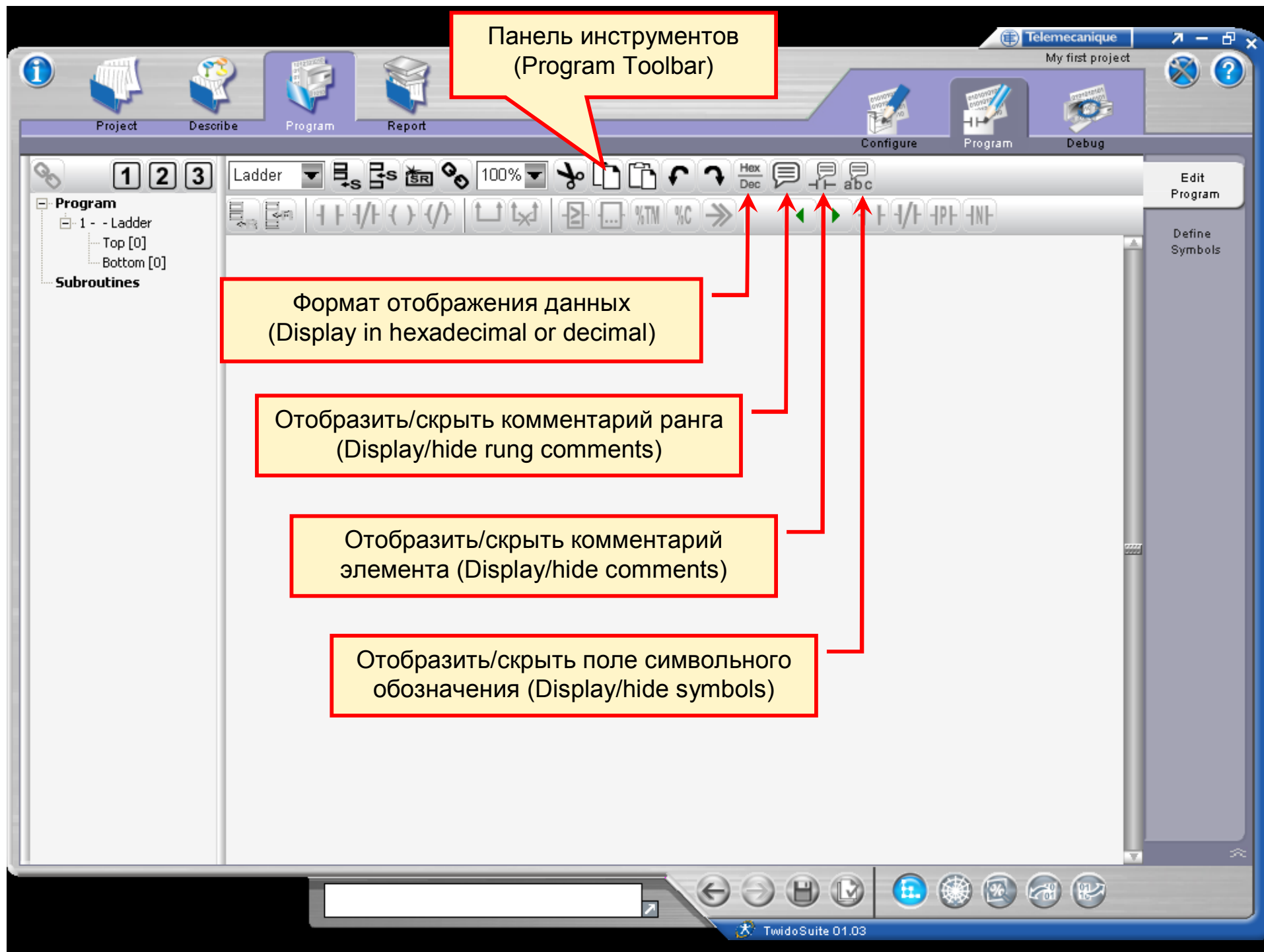


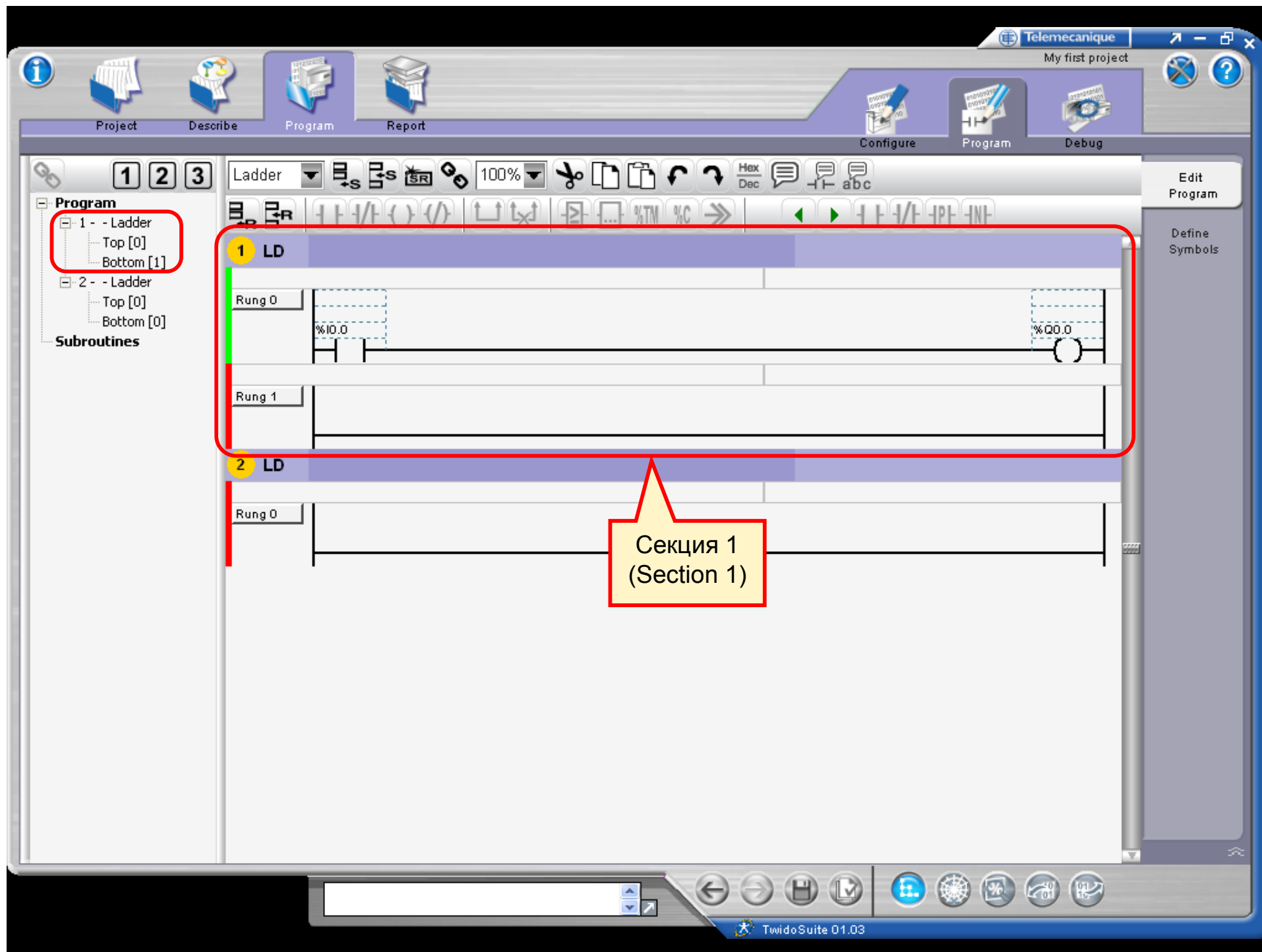
# Панели инструментов и структура программы

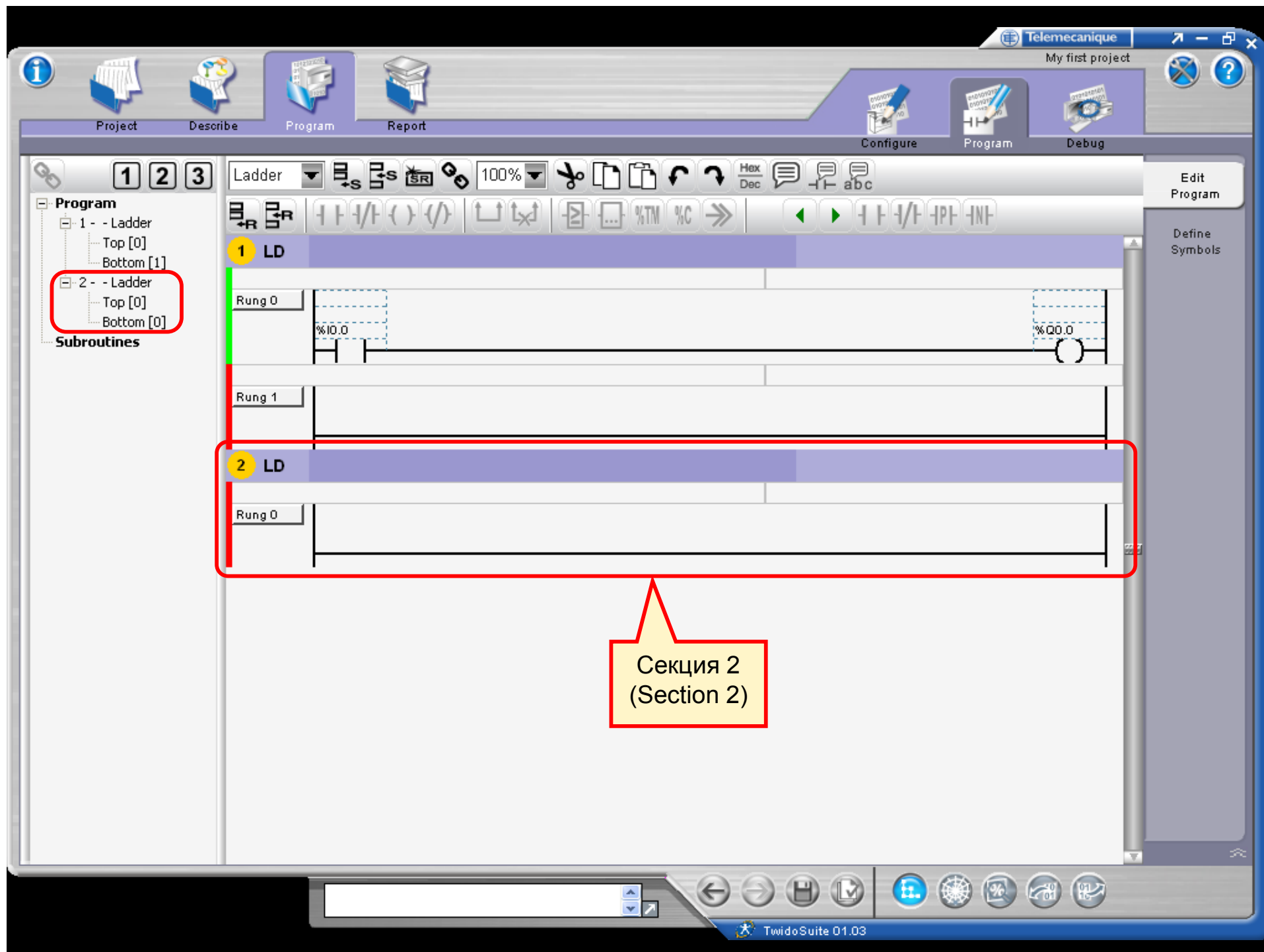


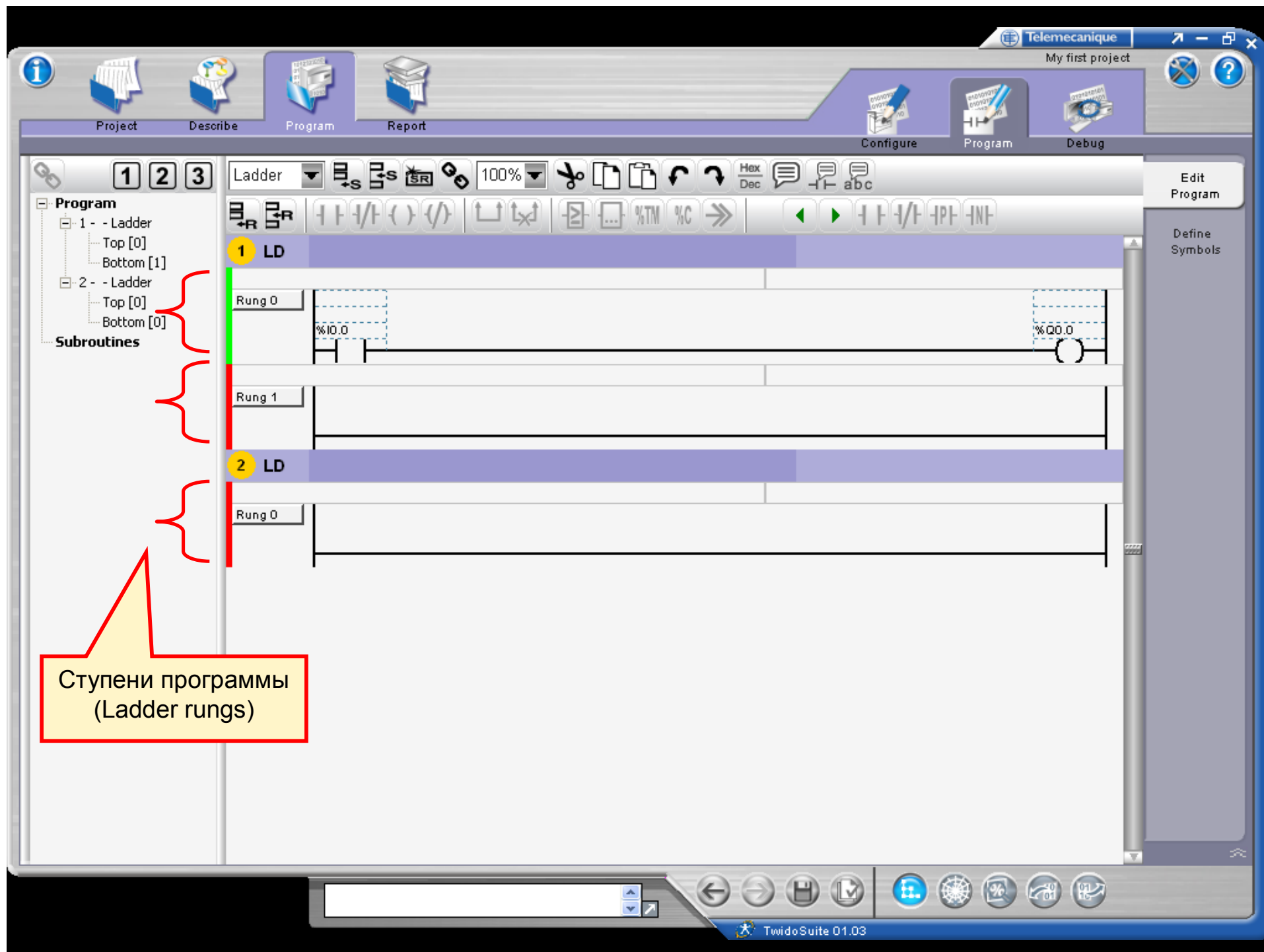


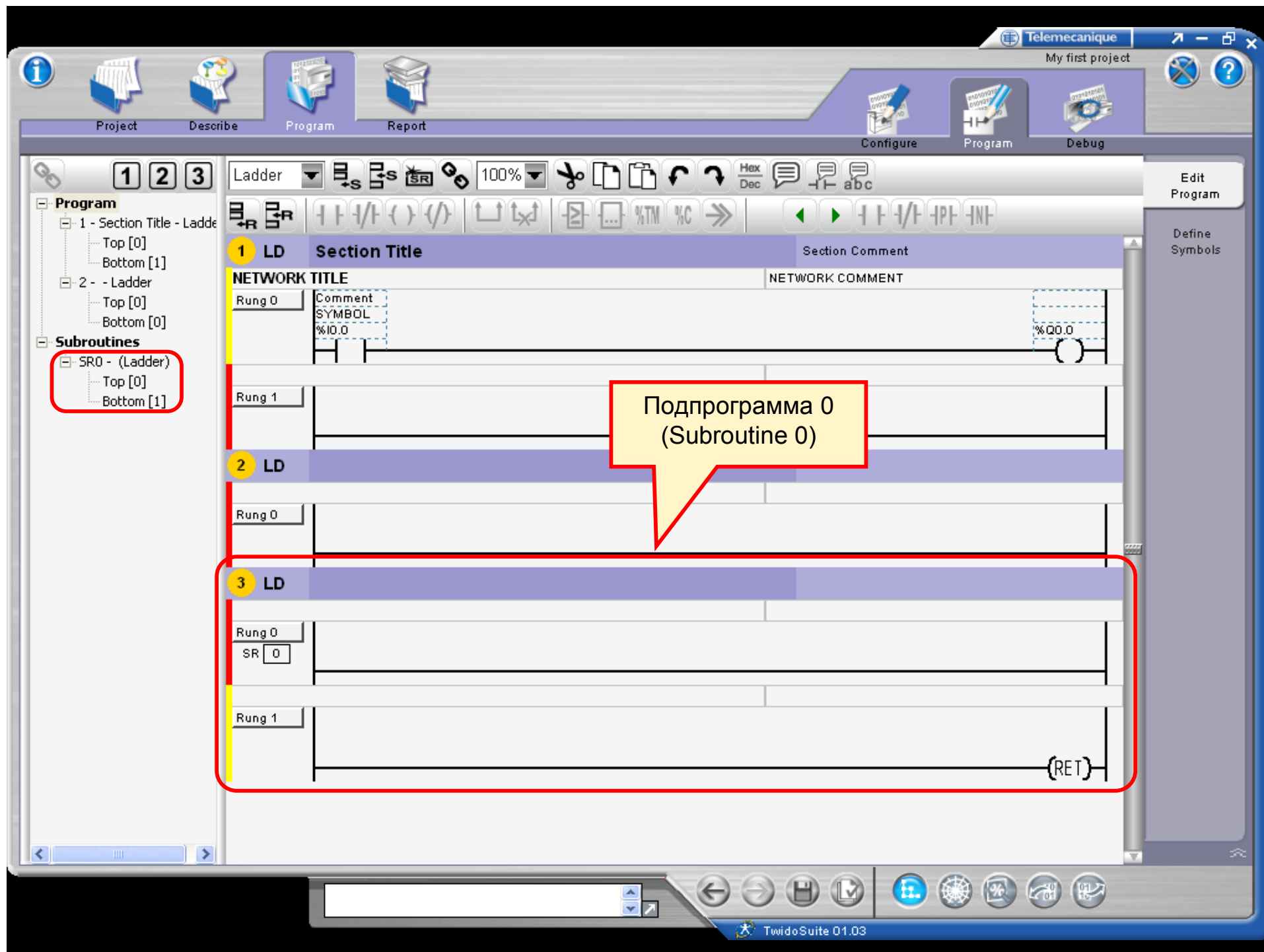


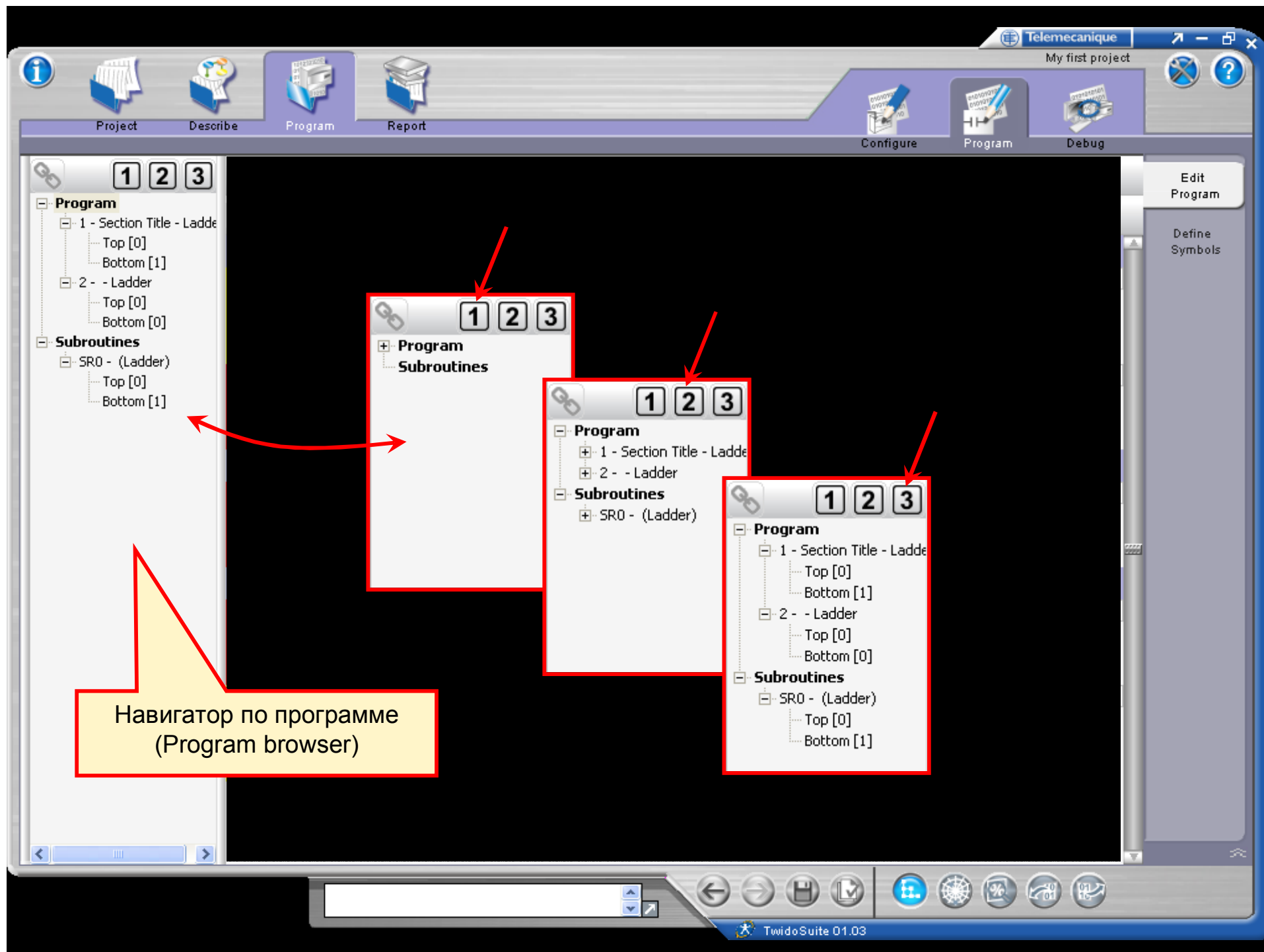


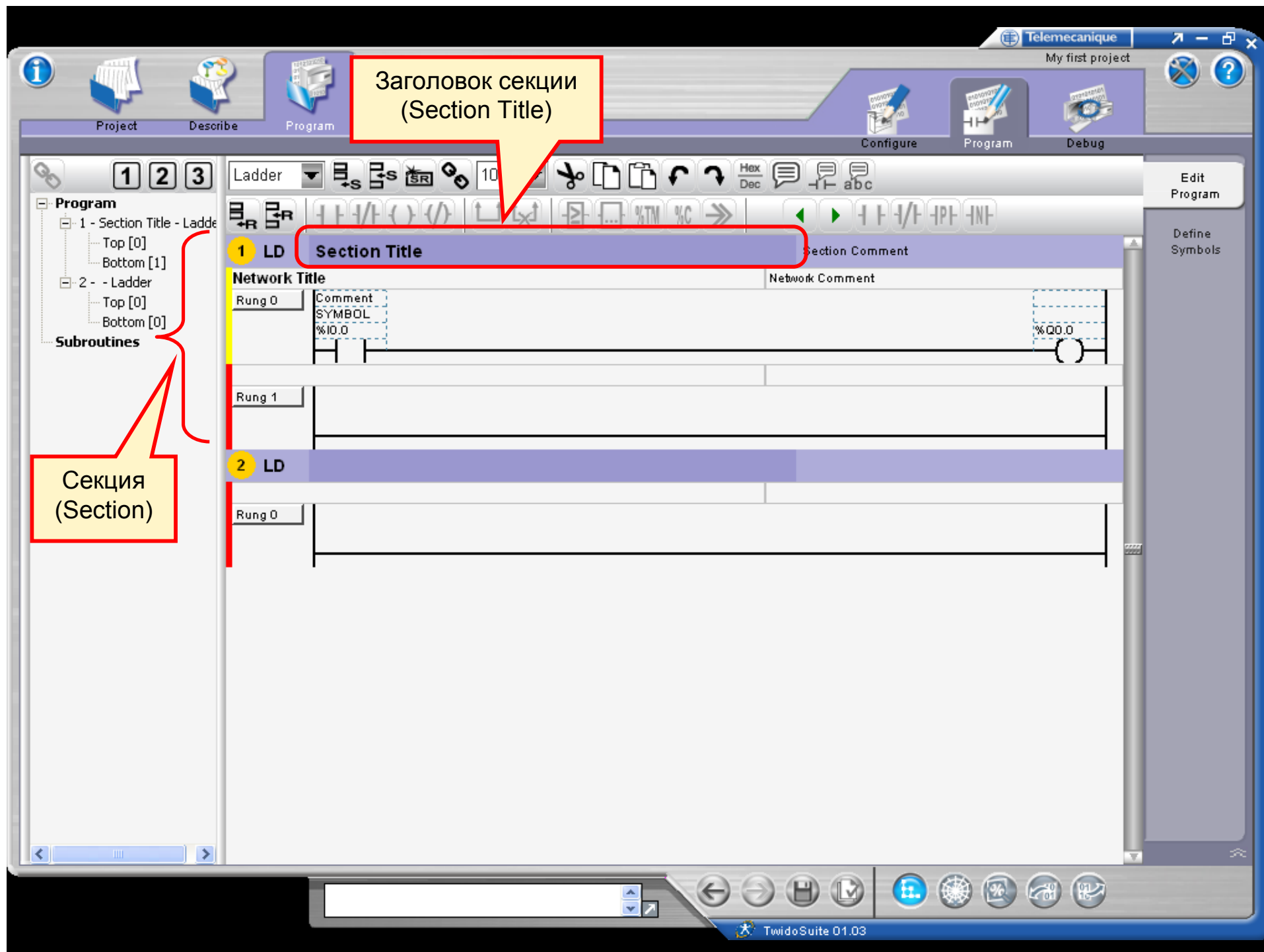


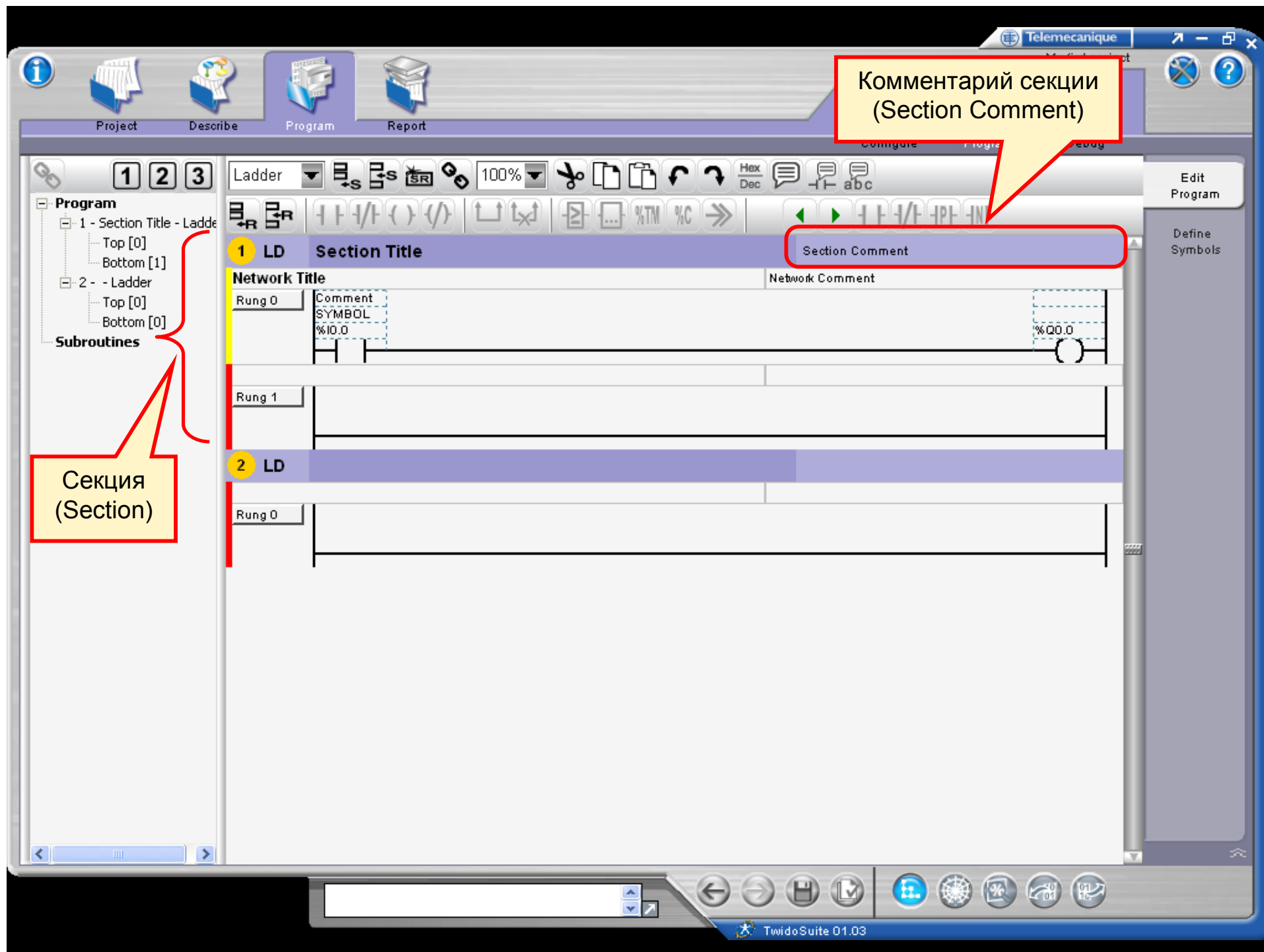


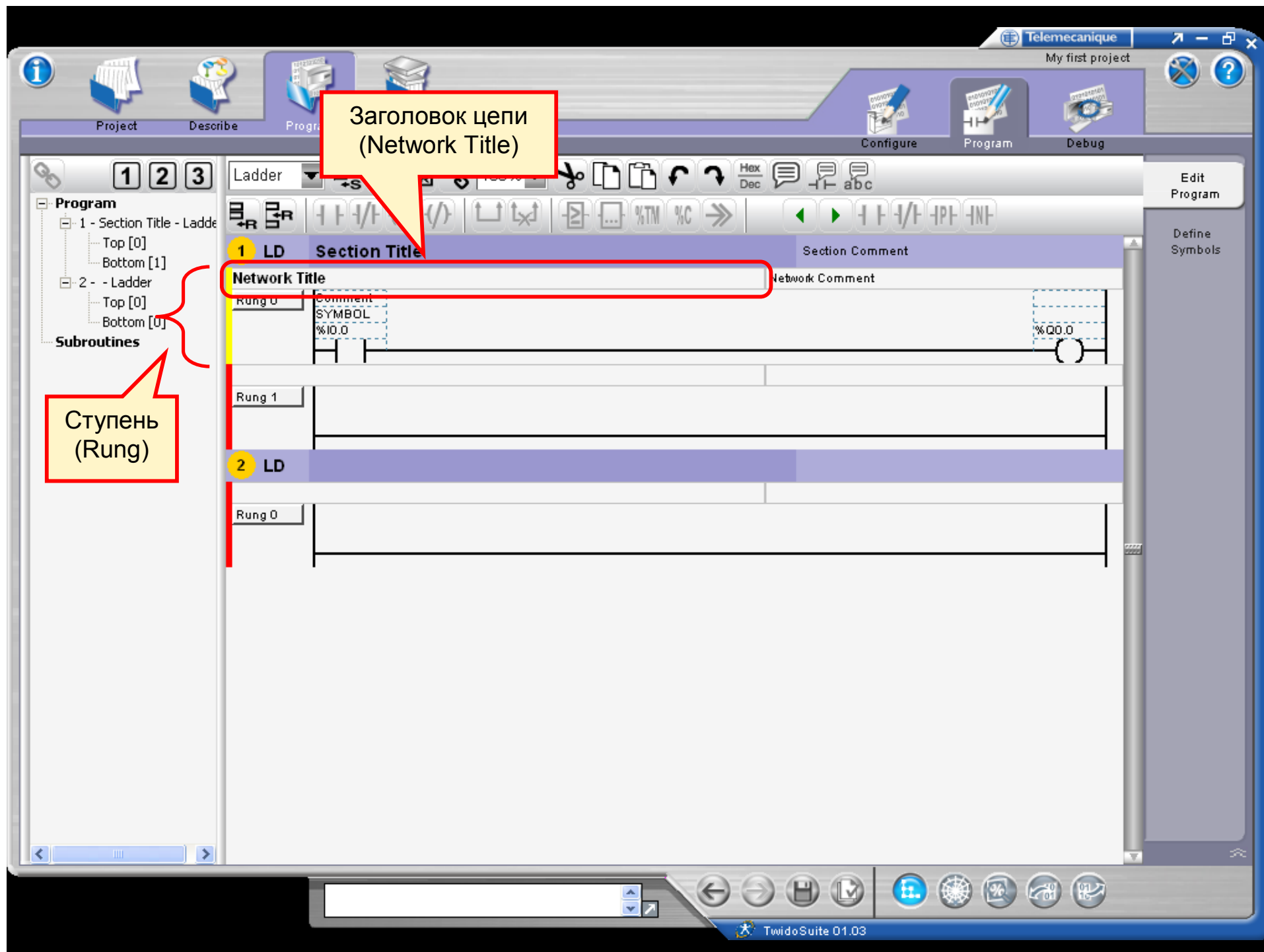


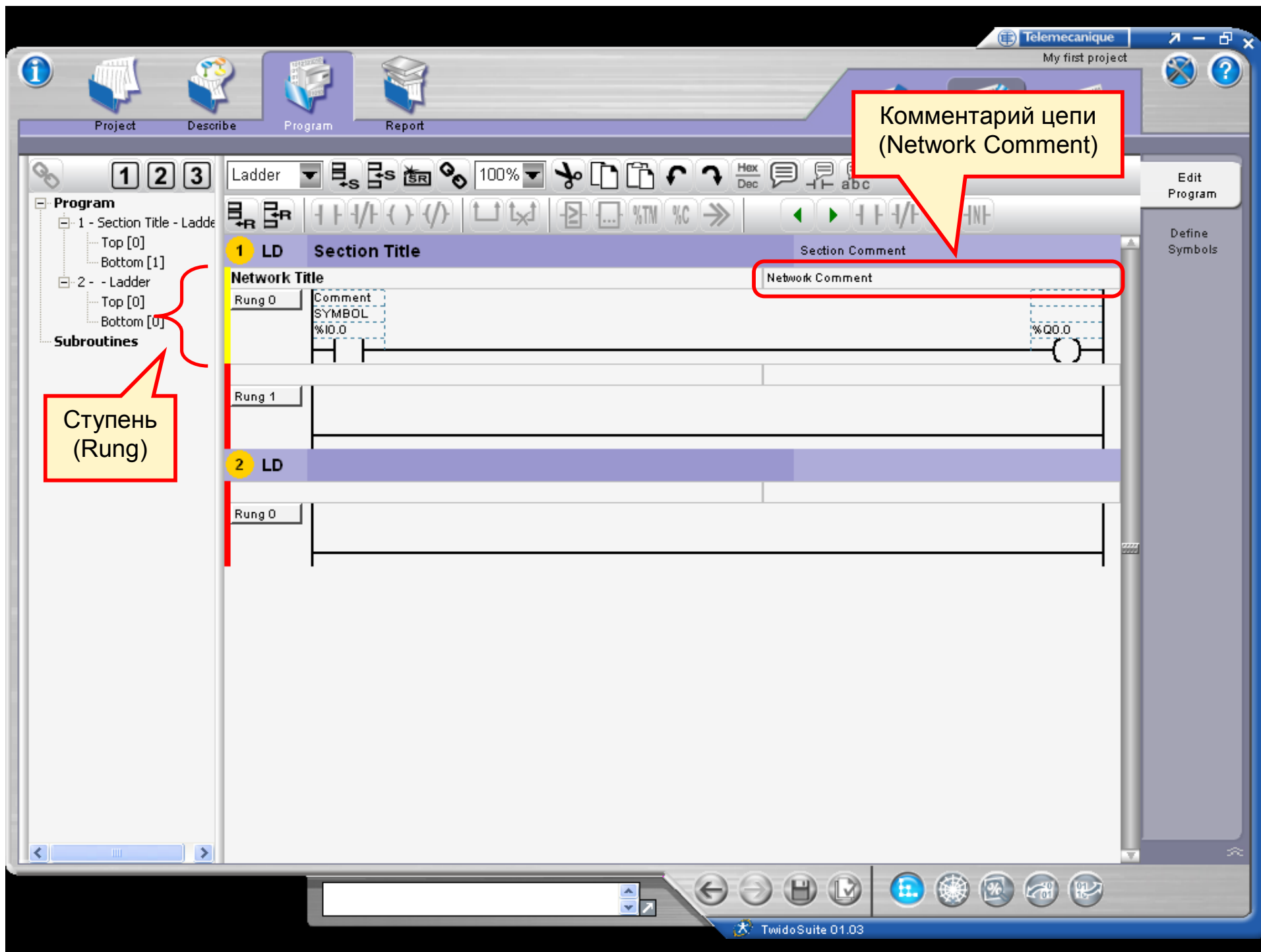


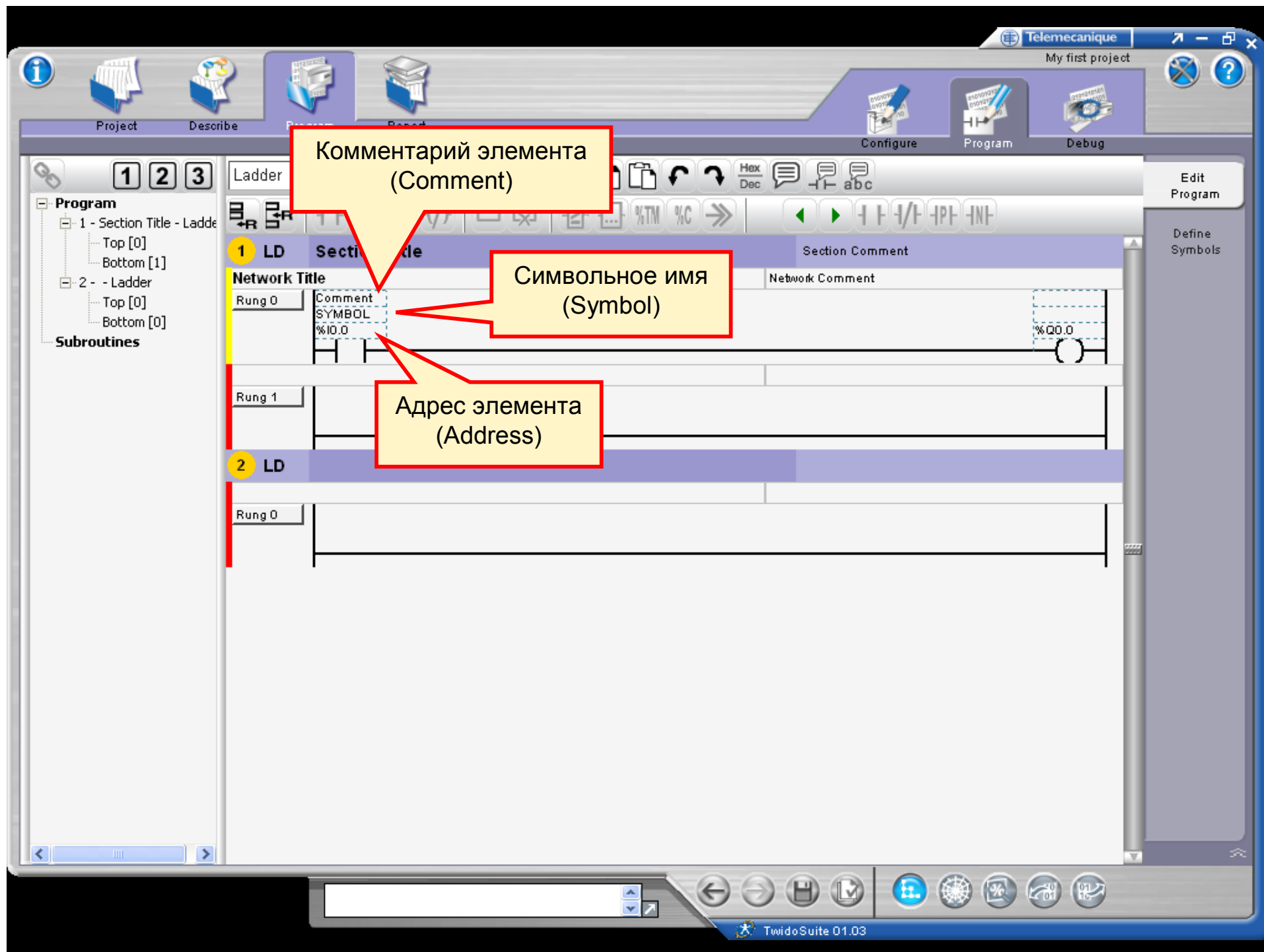


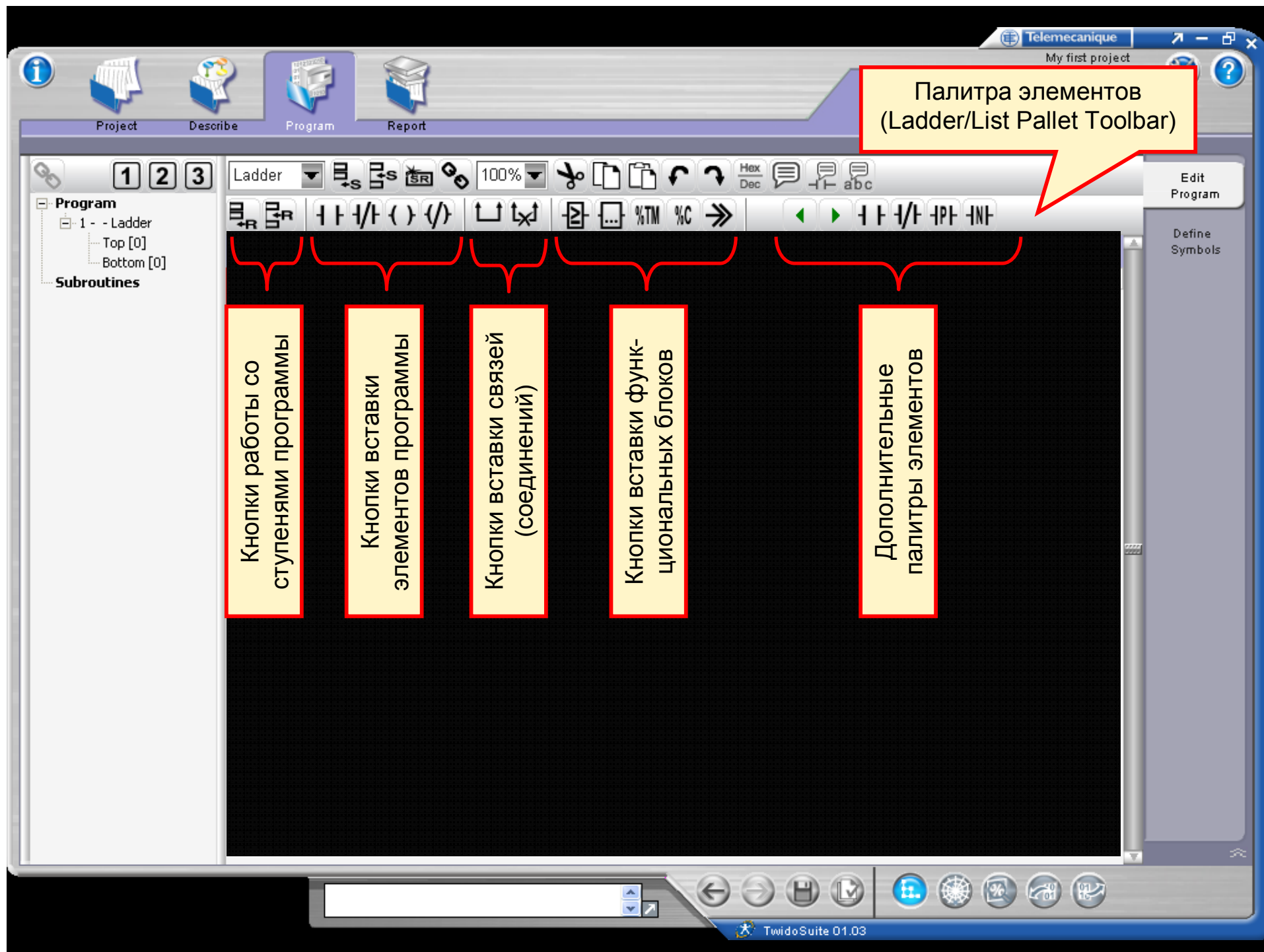


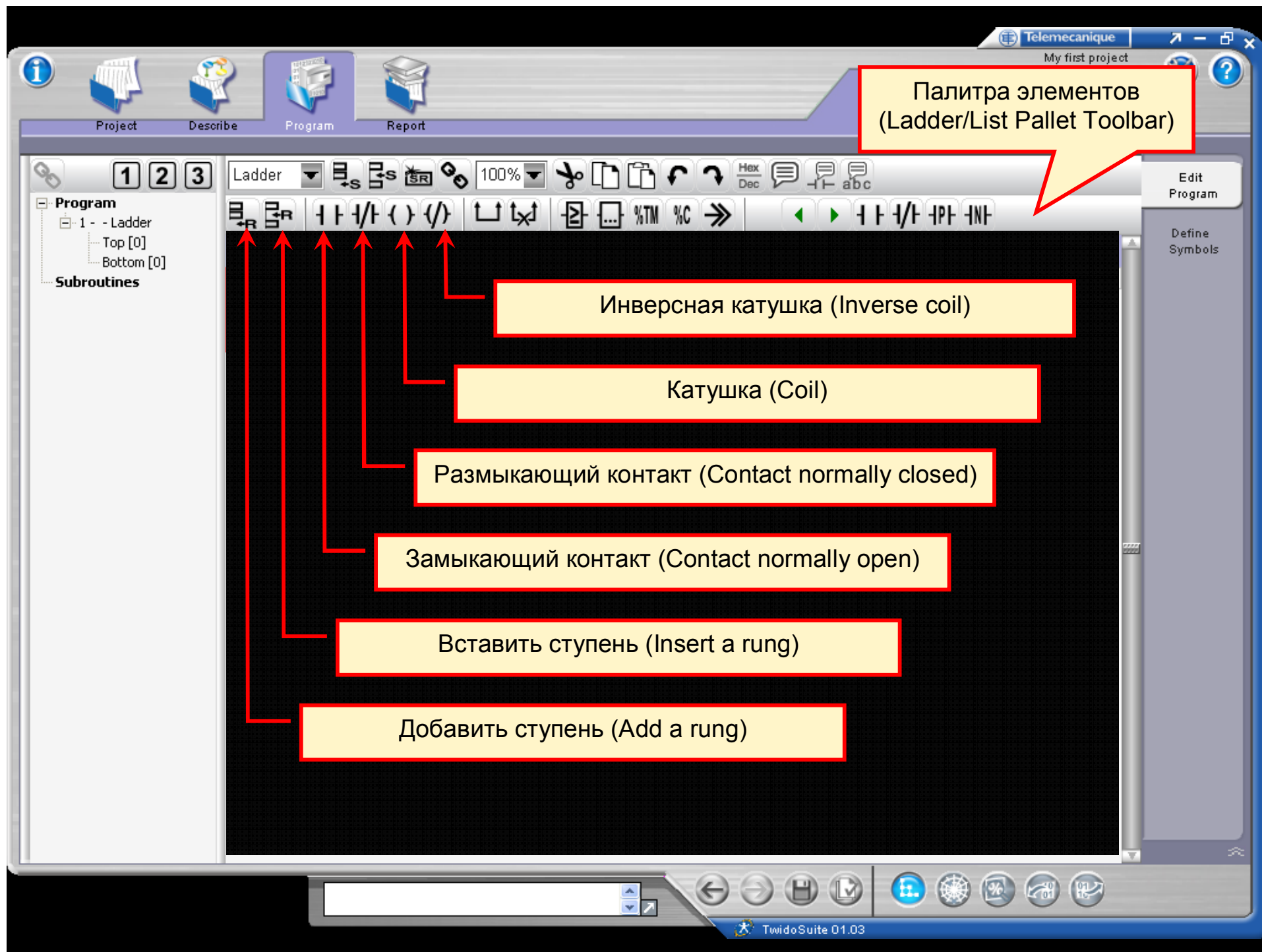


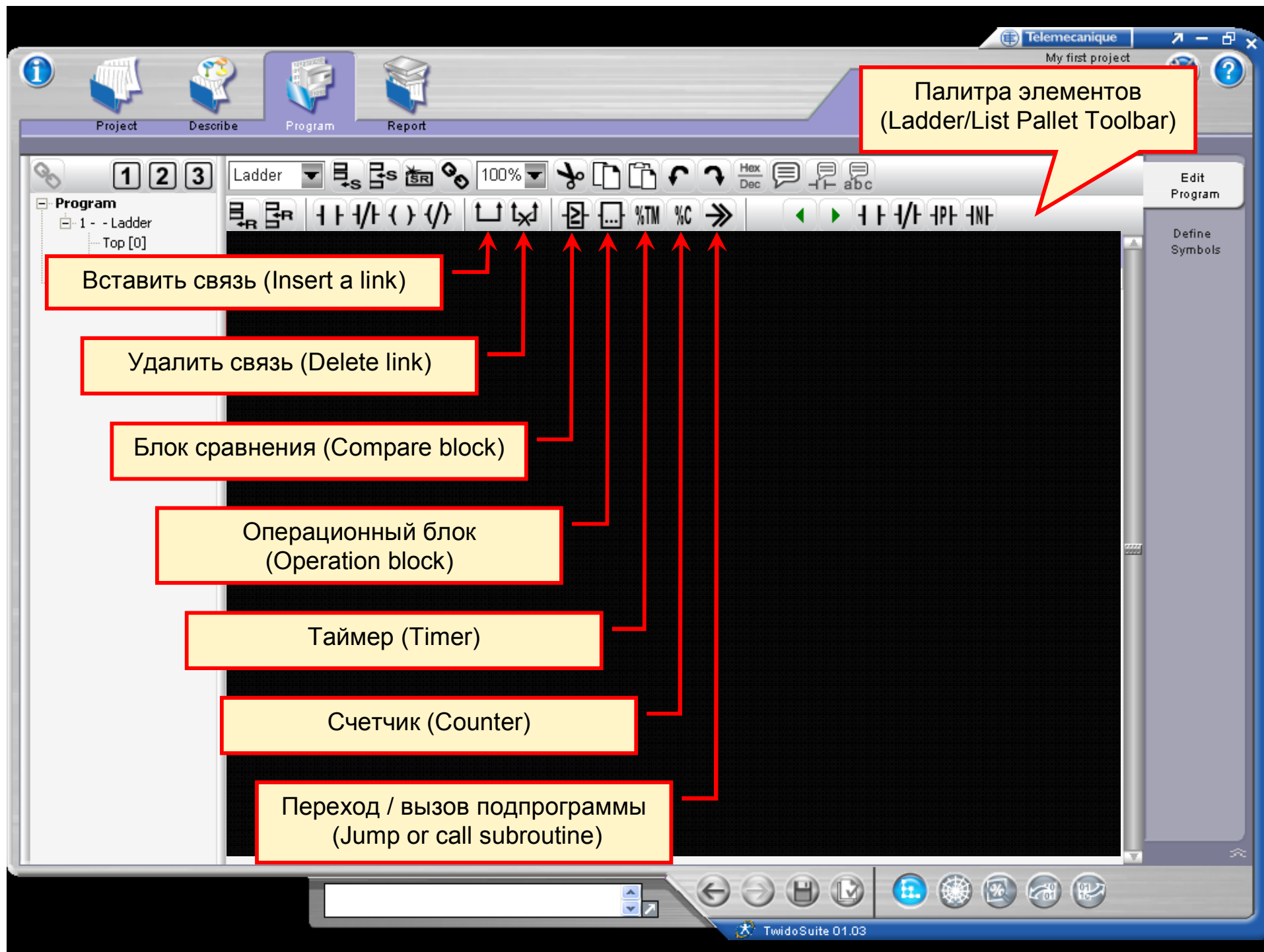


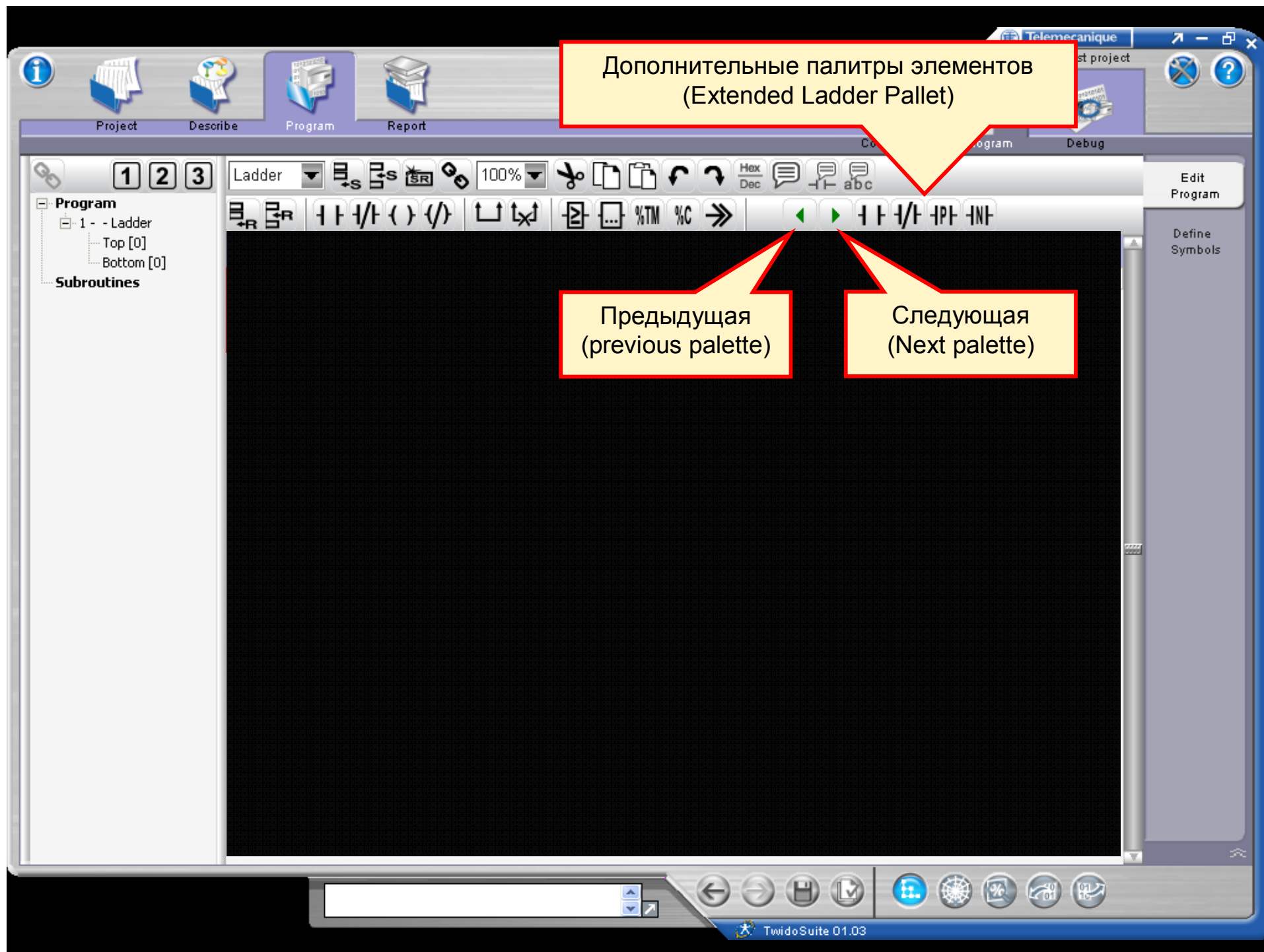


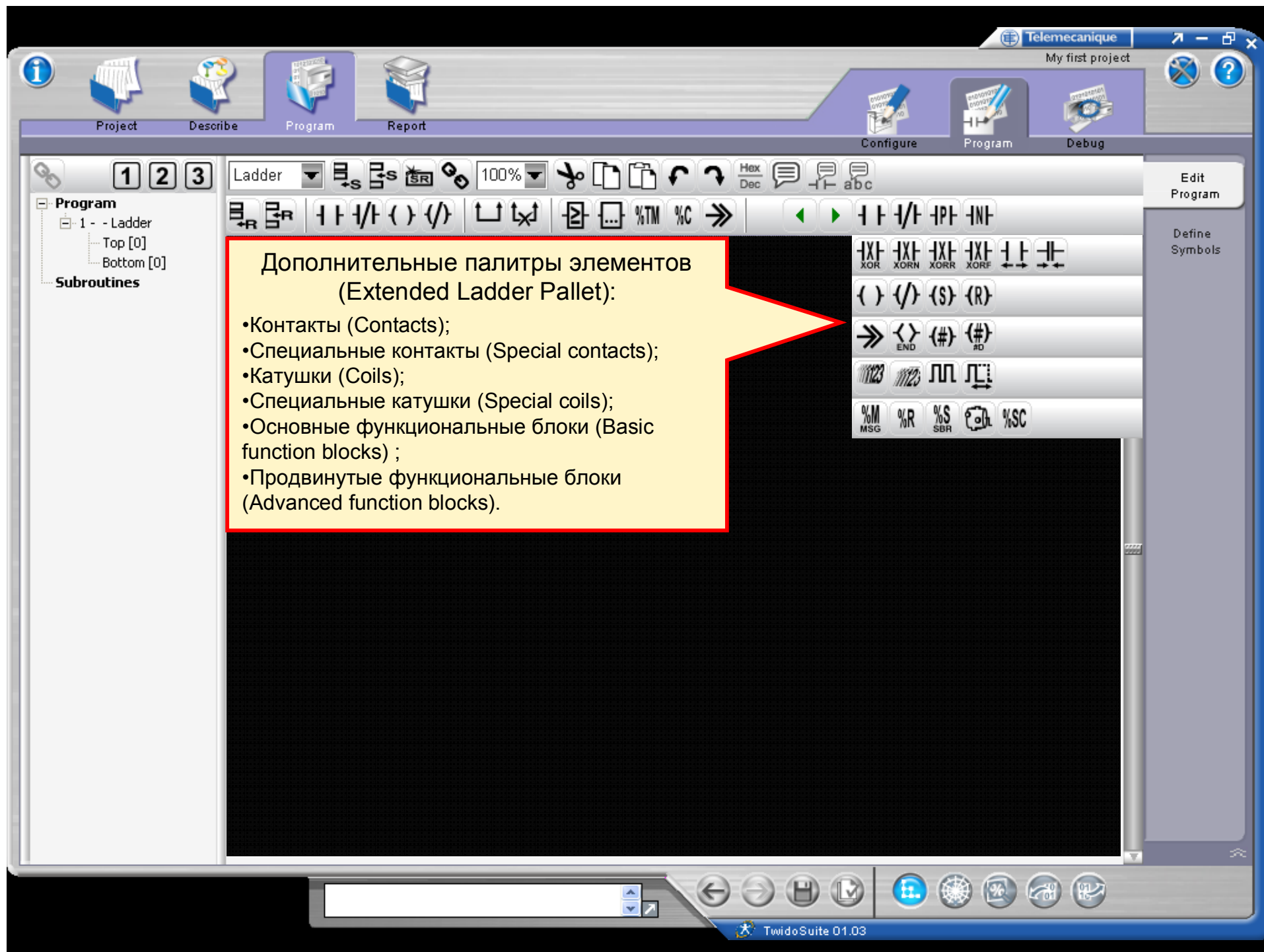


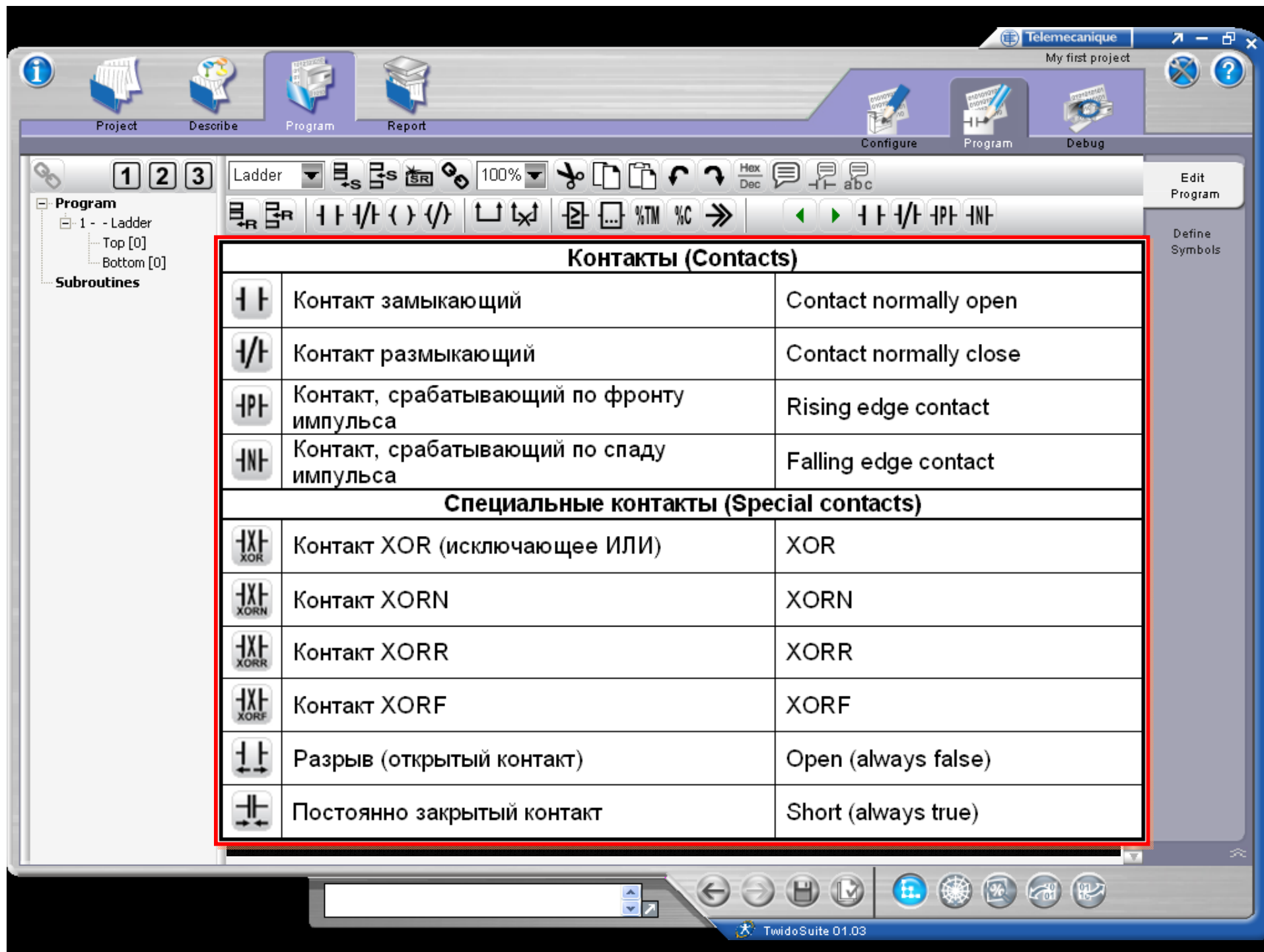


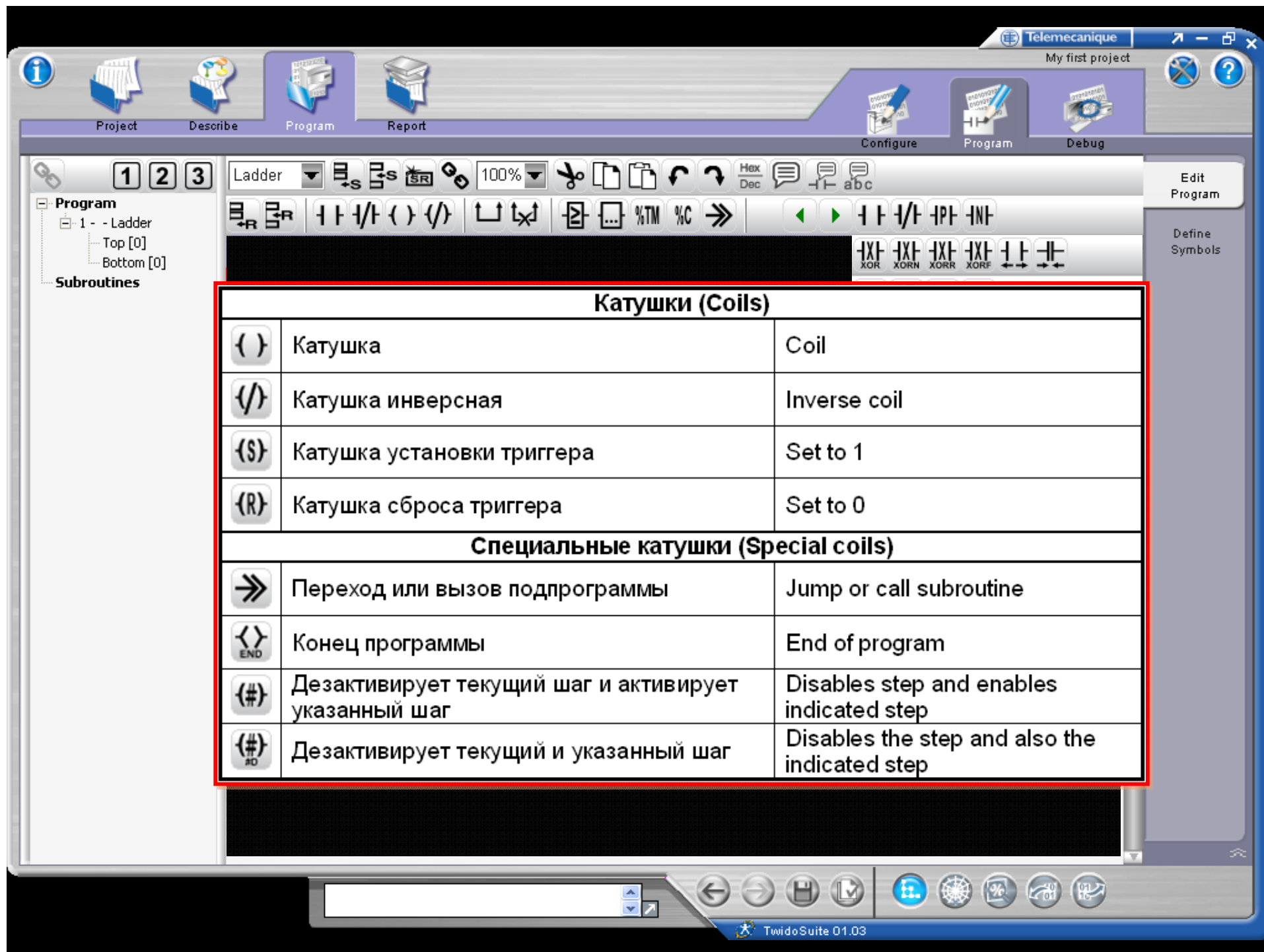


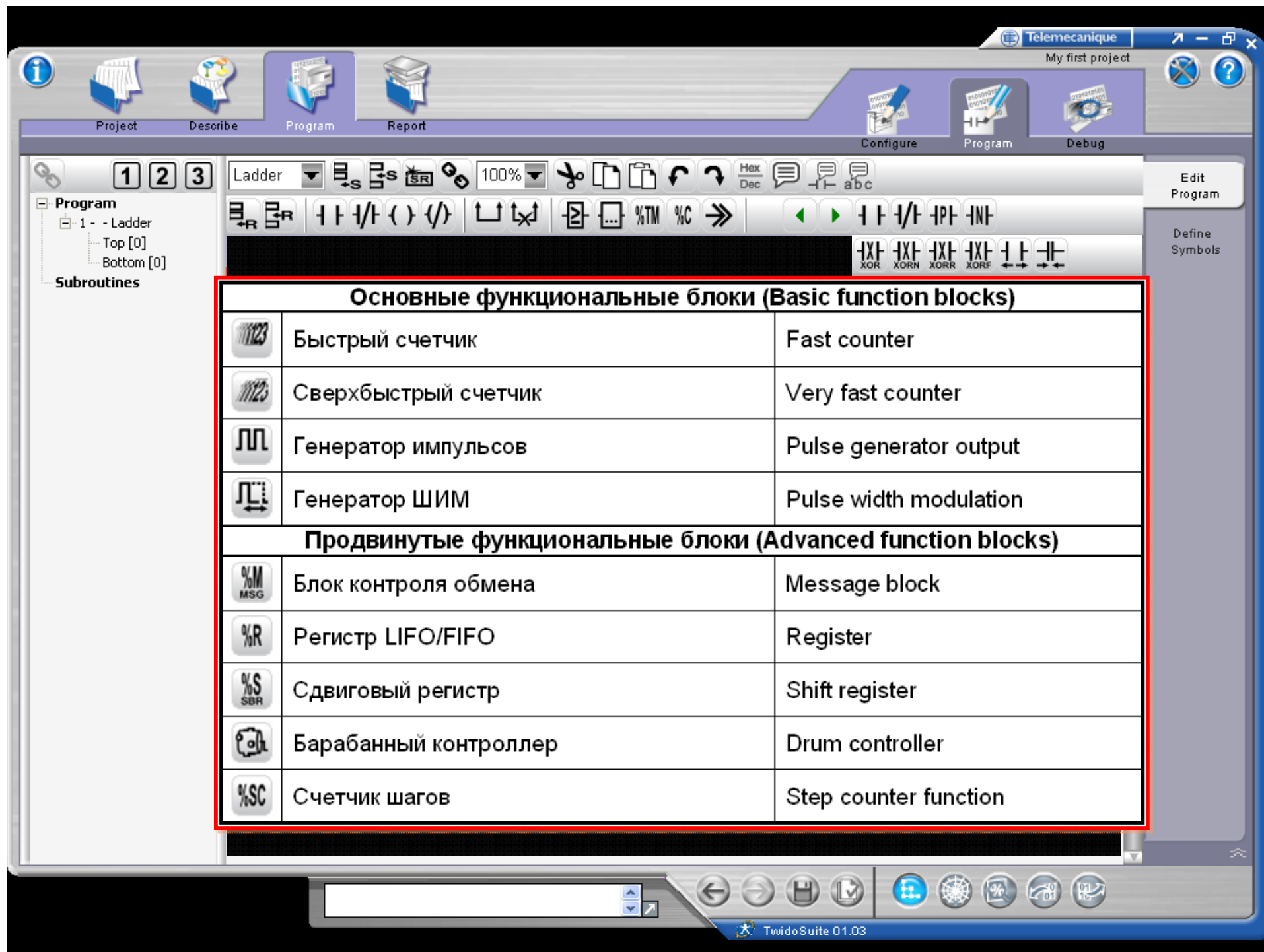




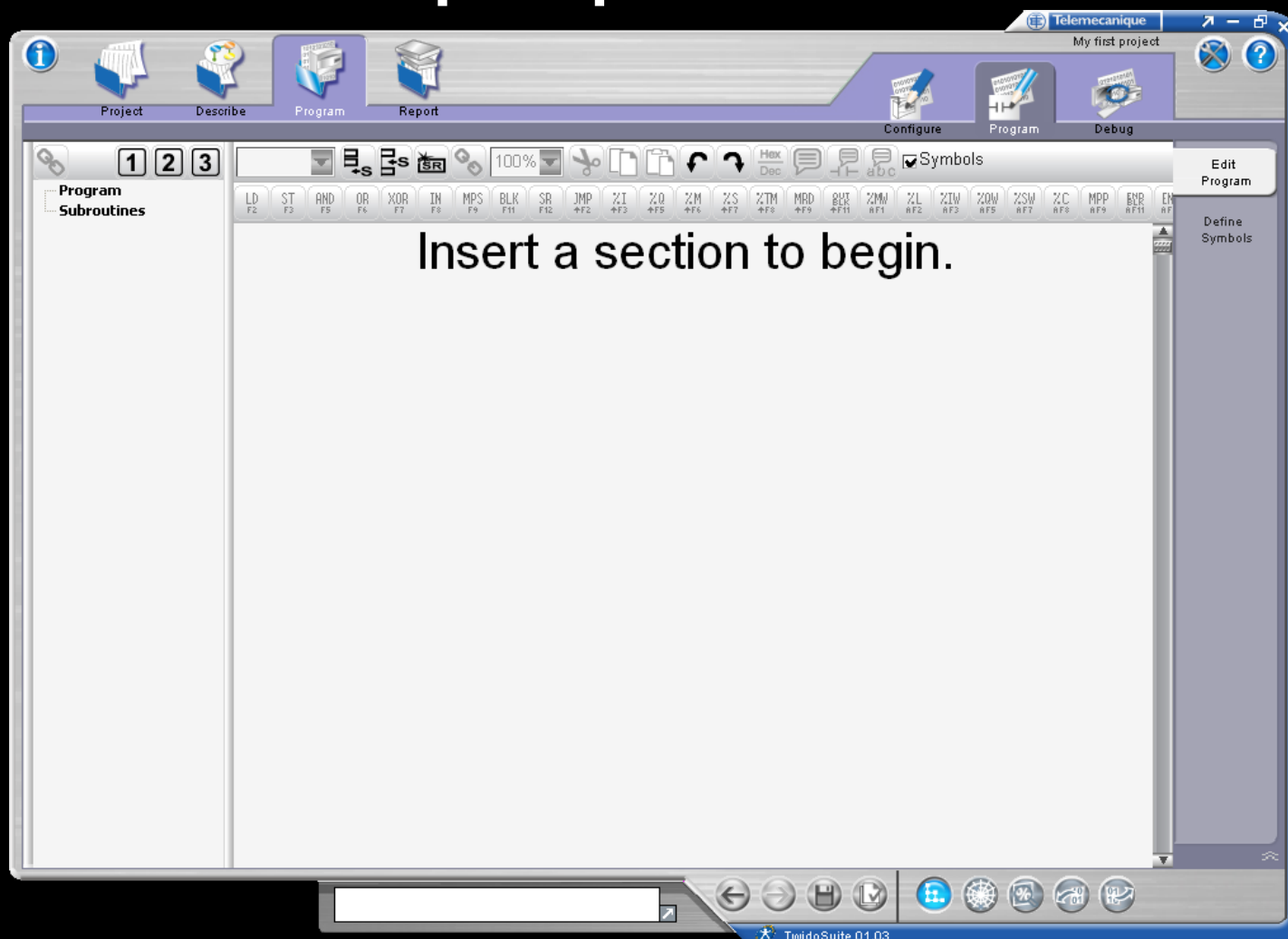


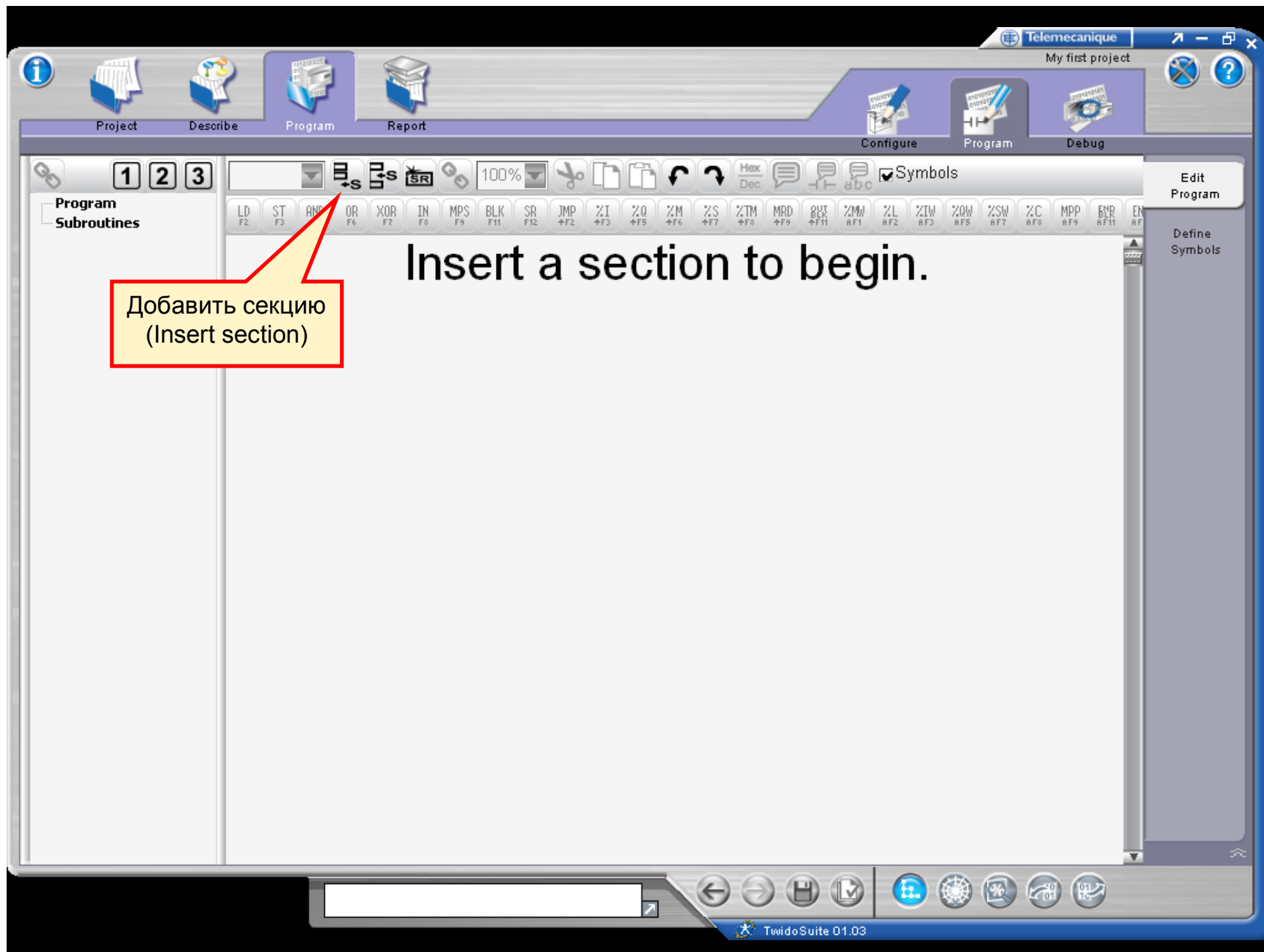


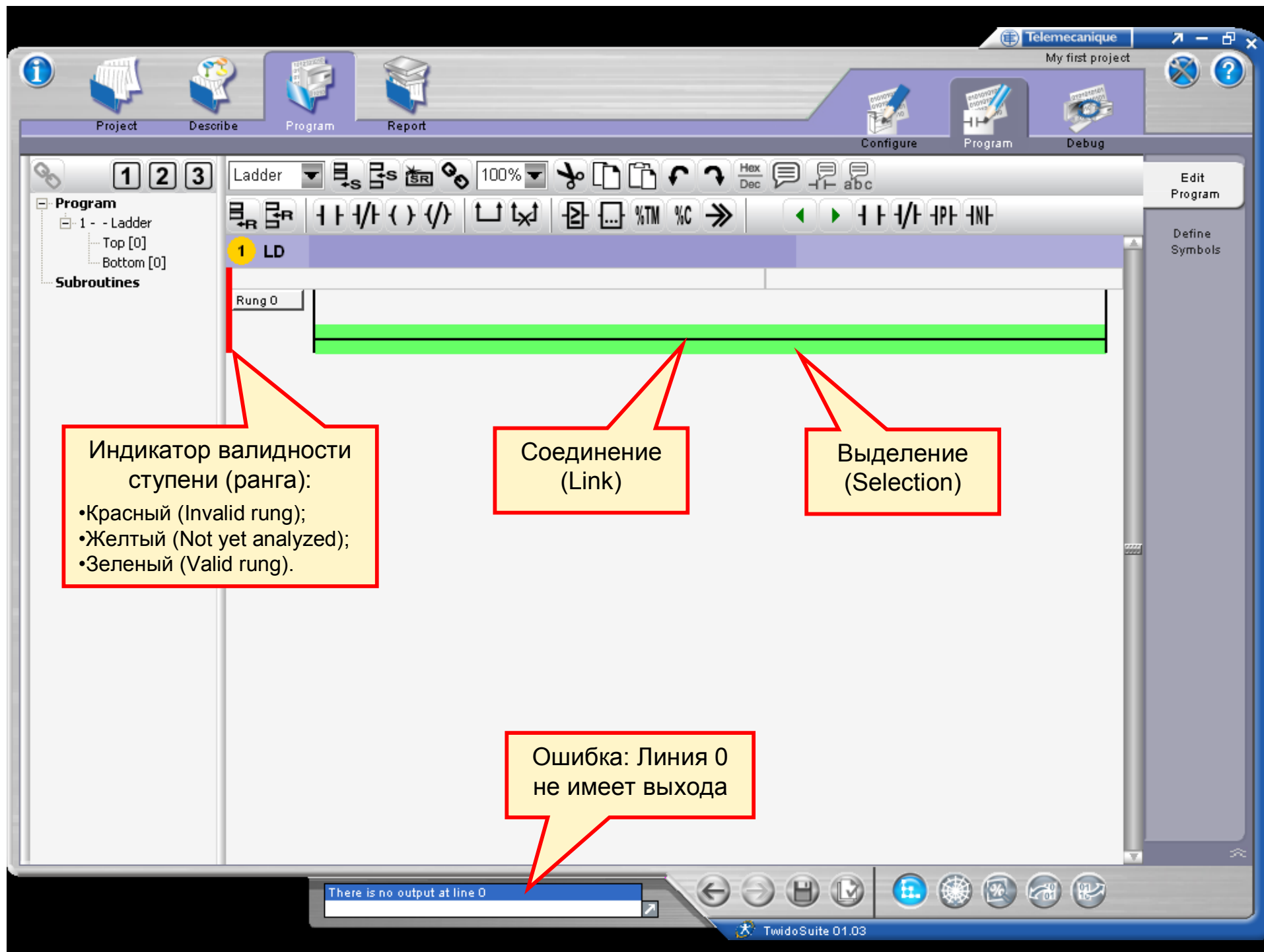


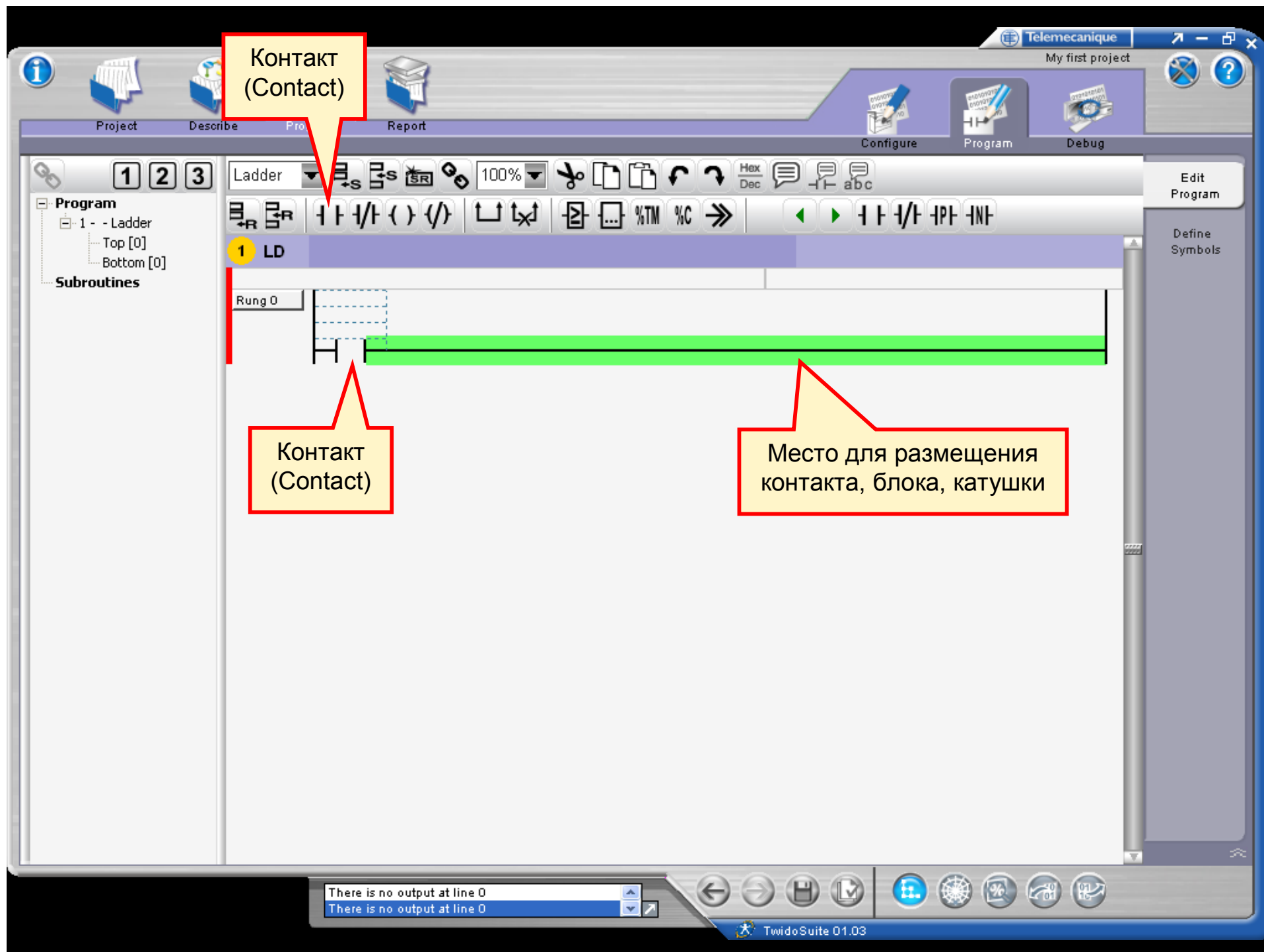


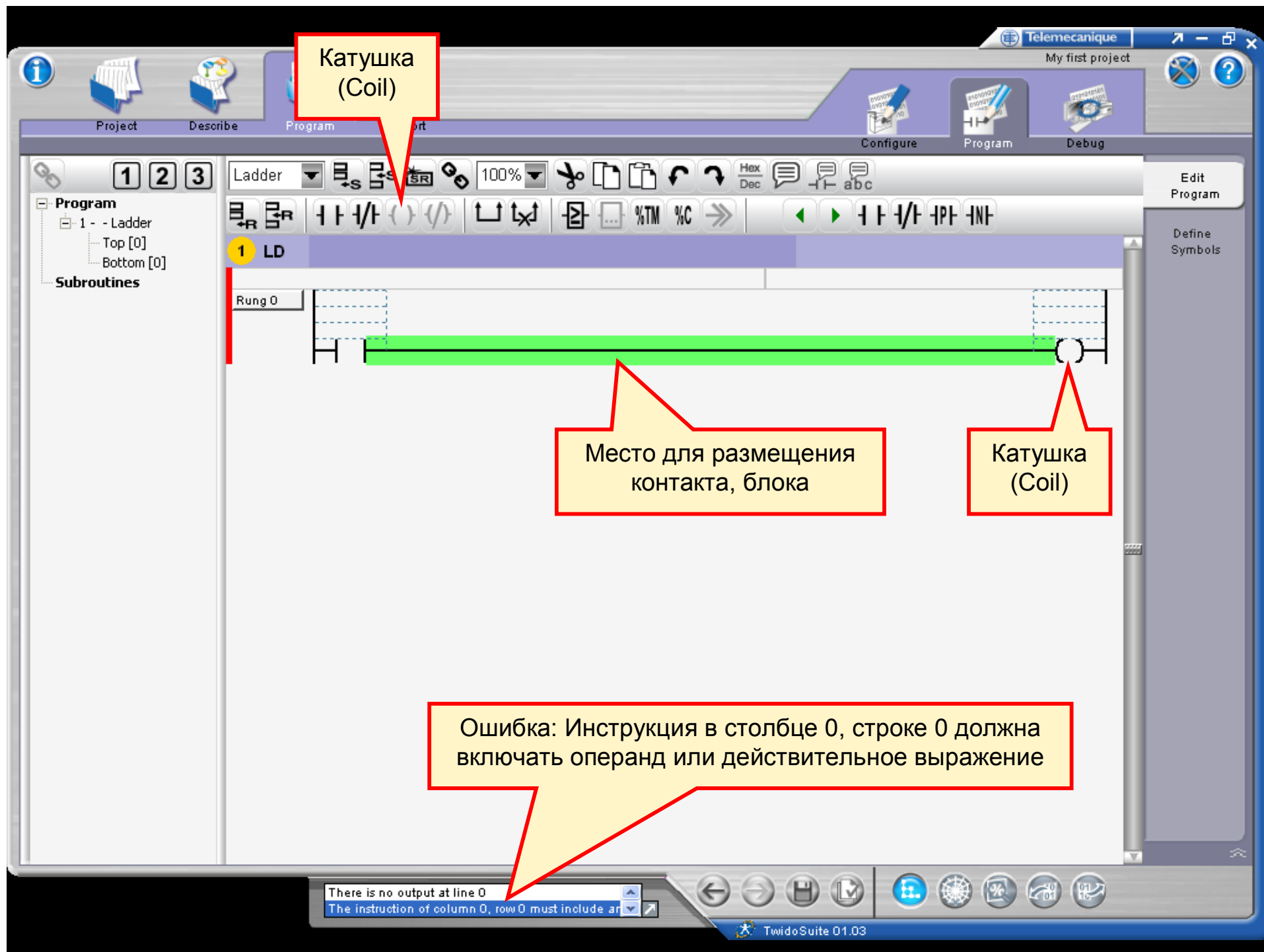
# Набор и редактирование программы

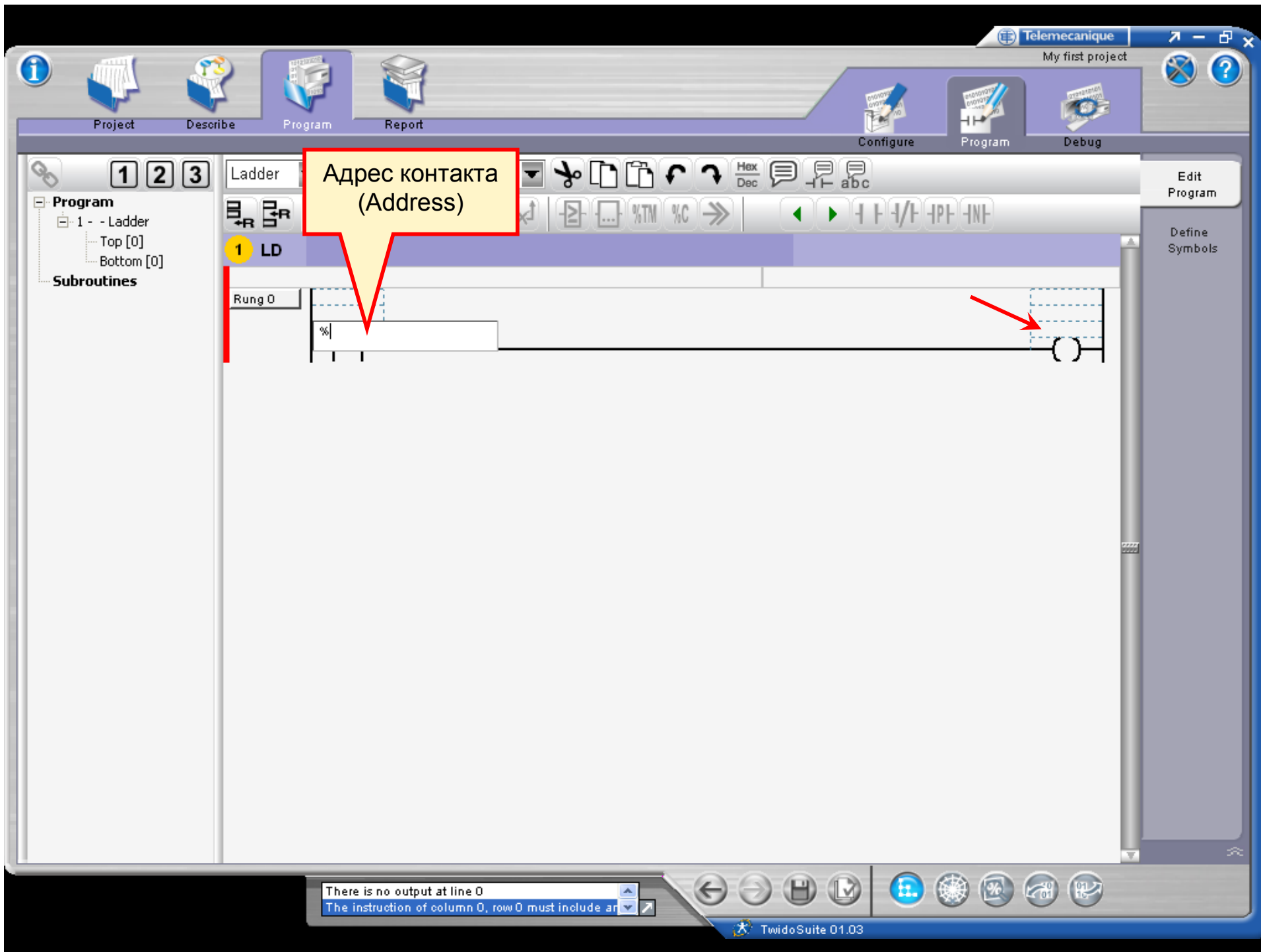


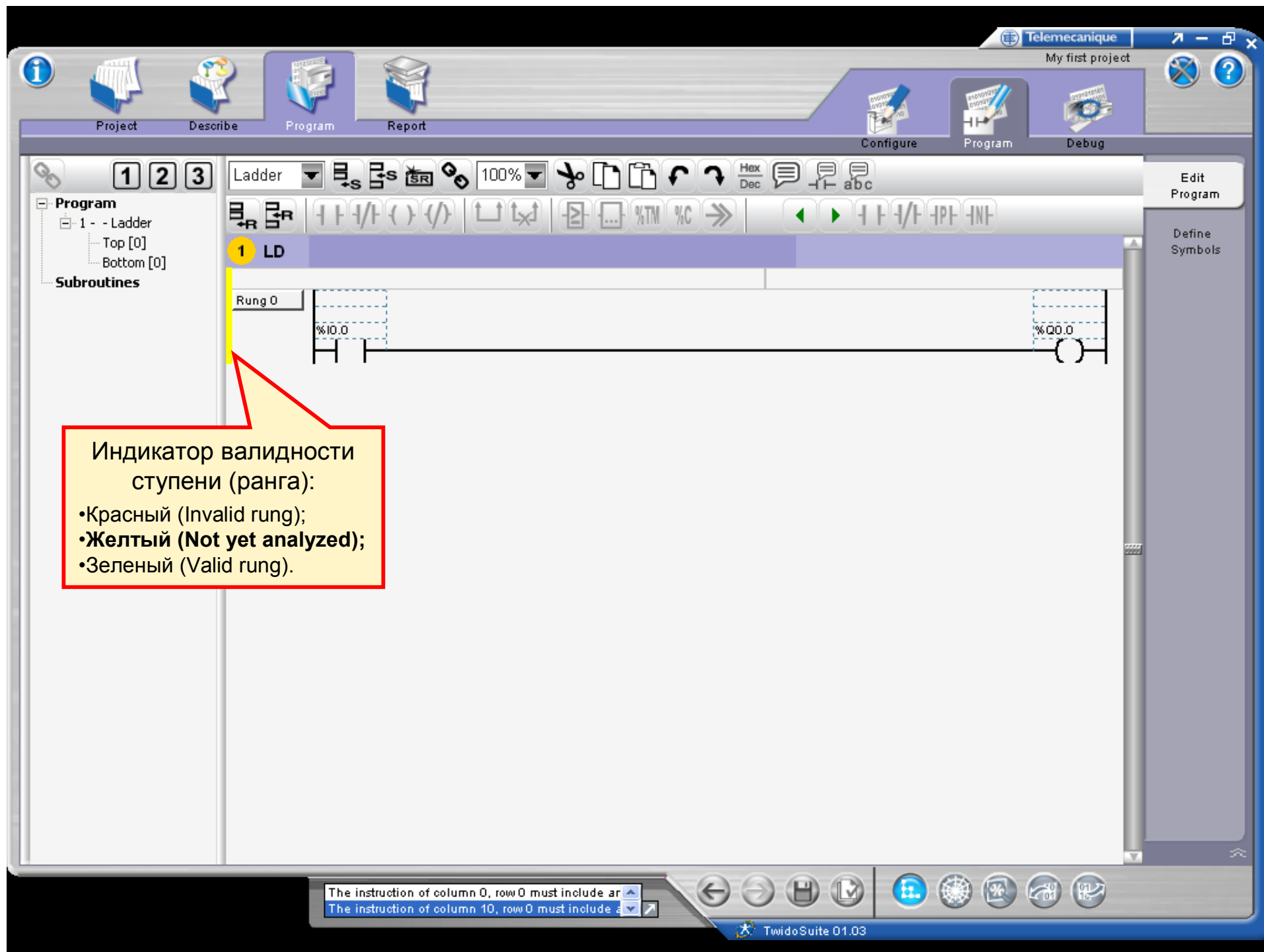


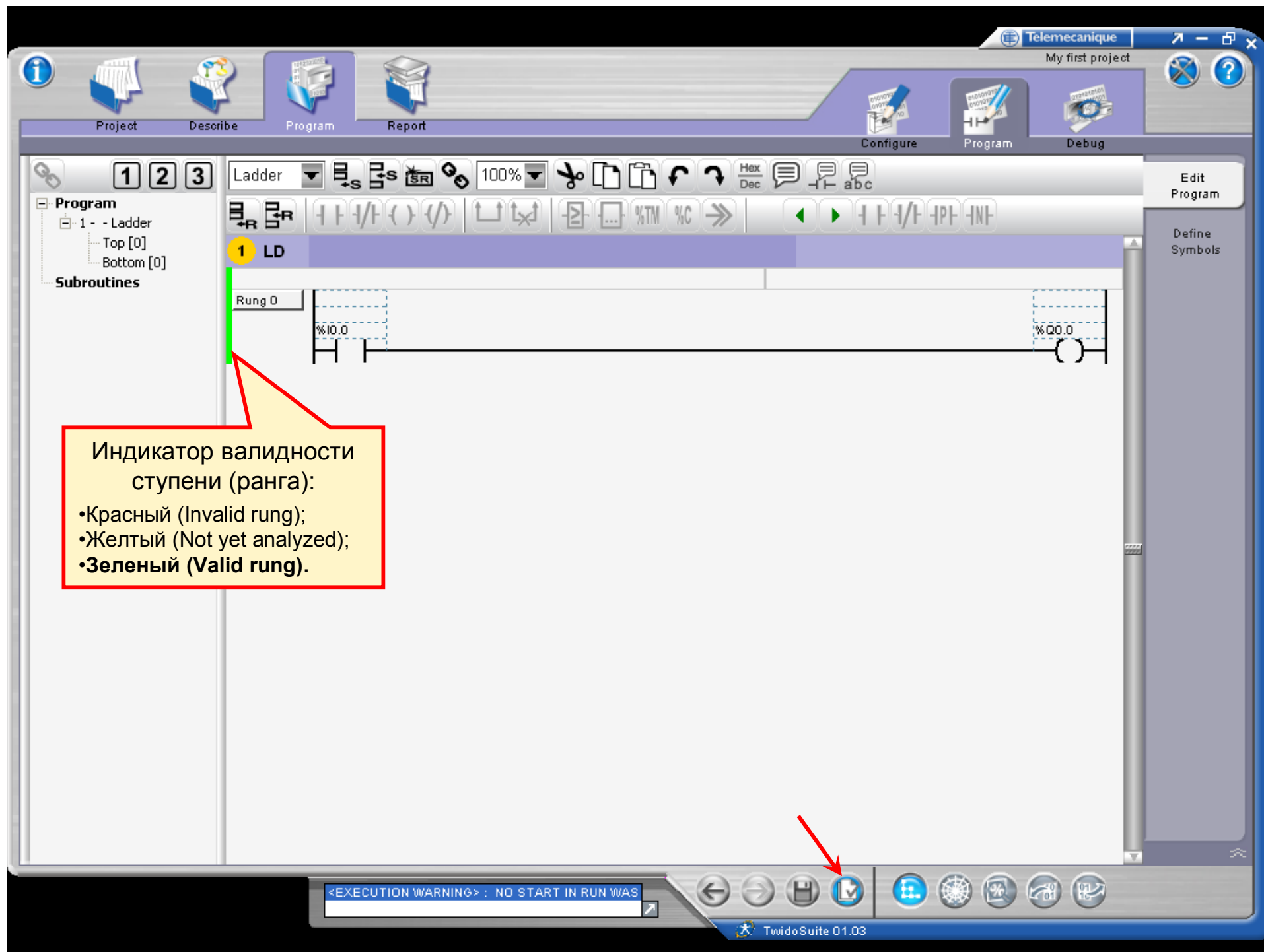


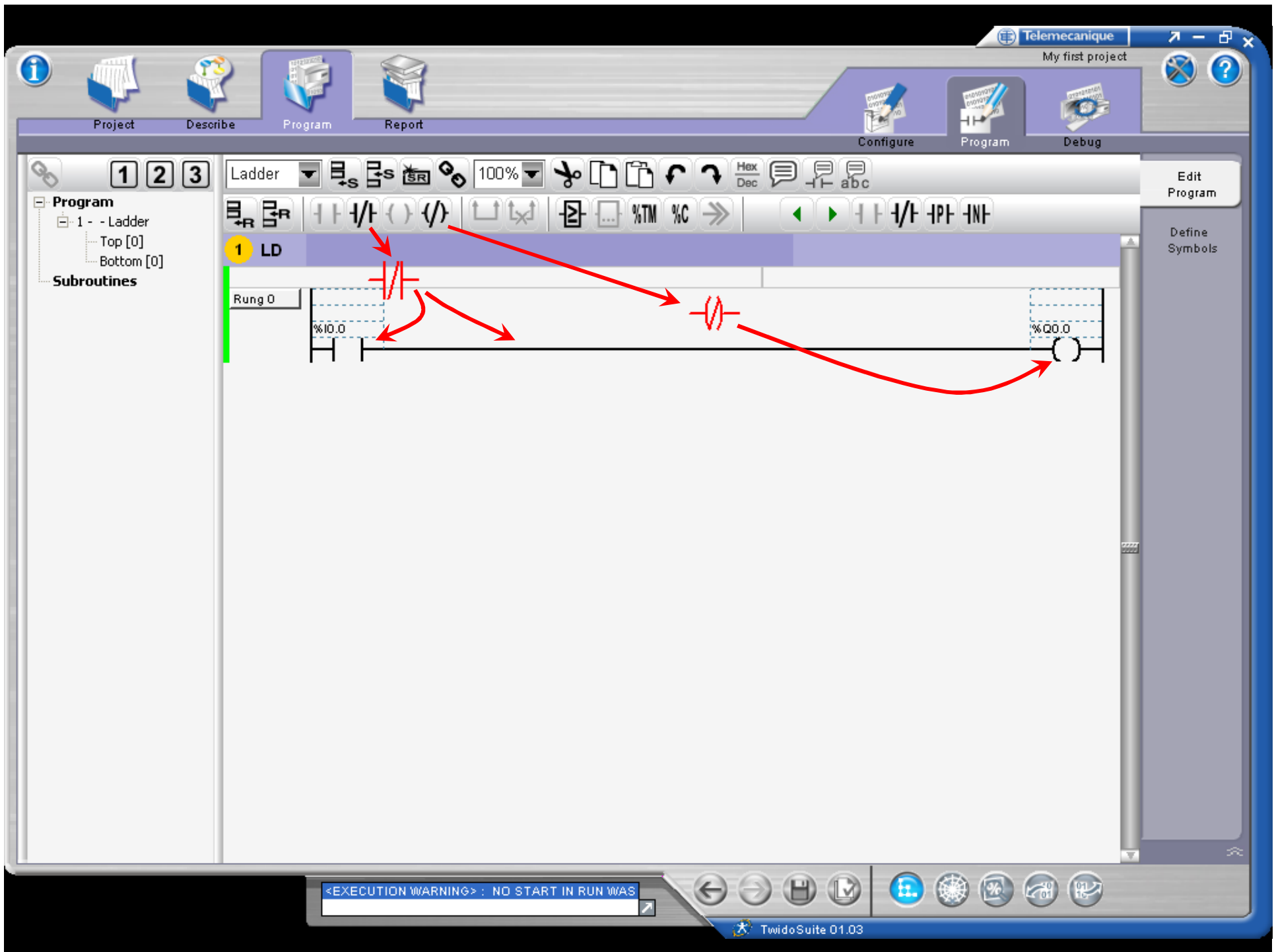


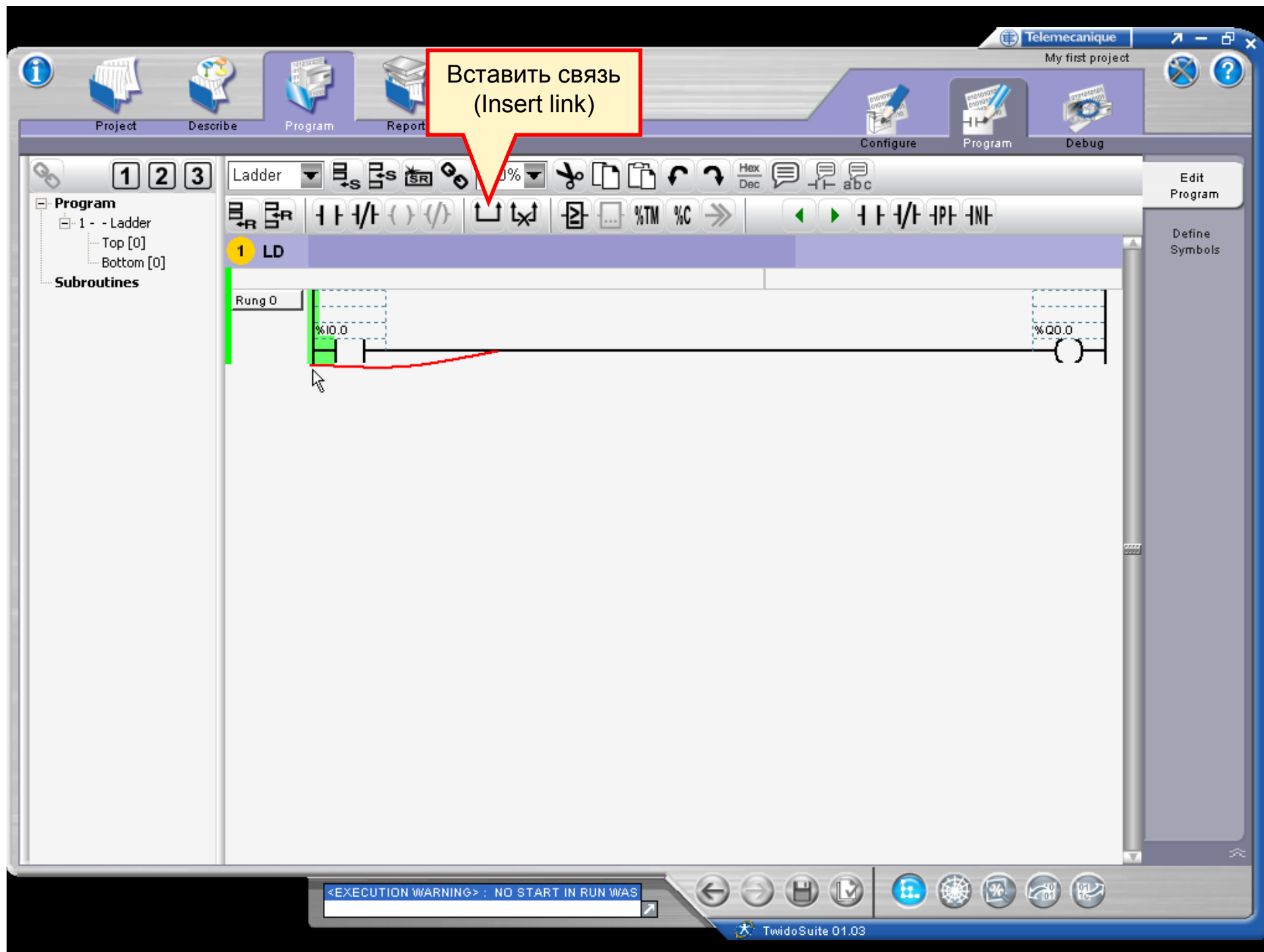


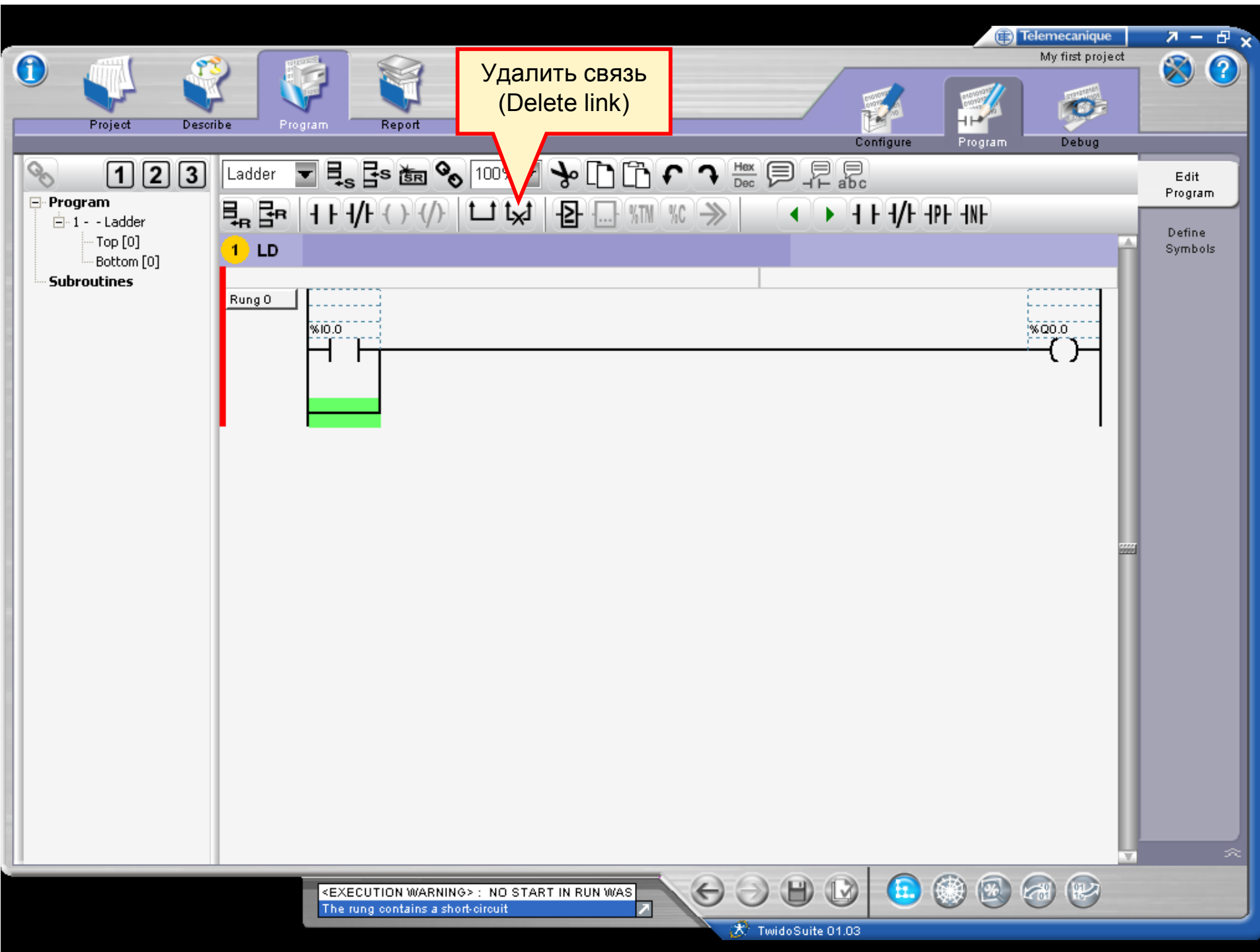


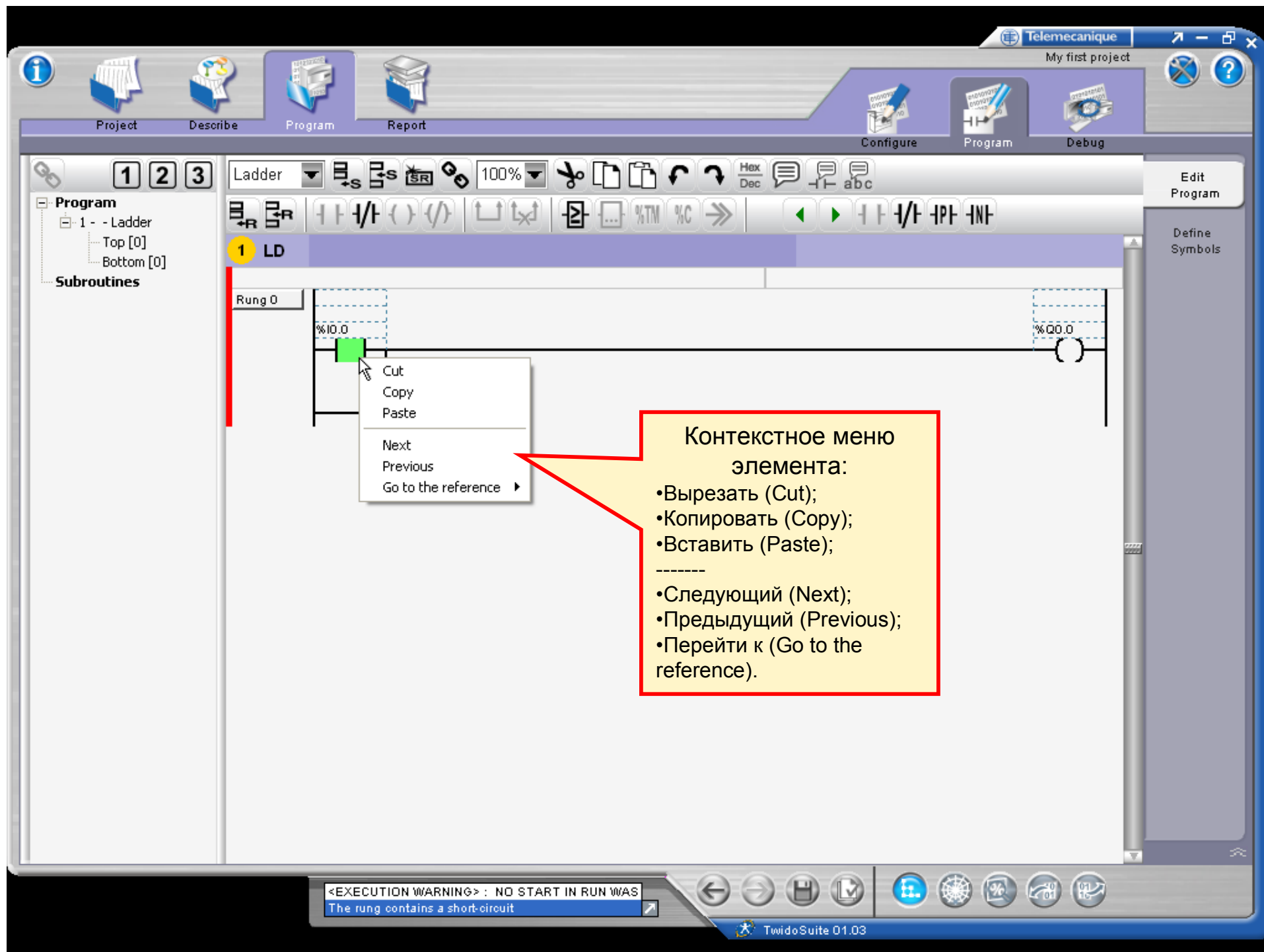




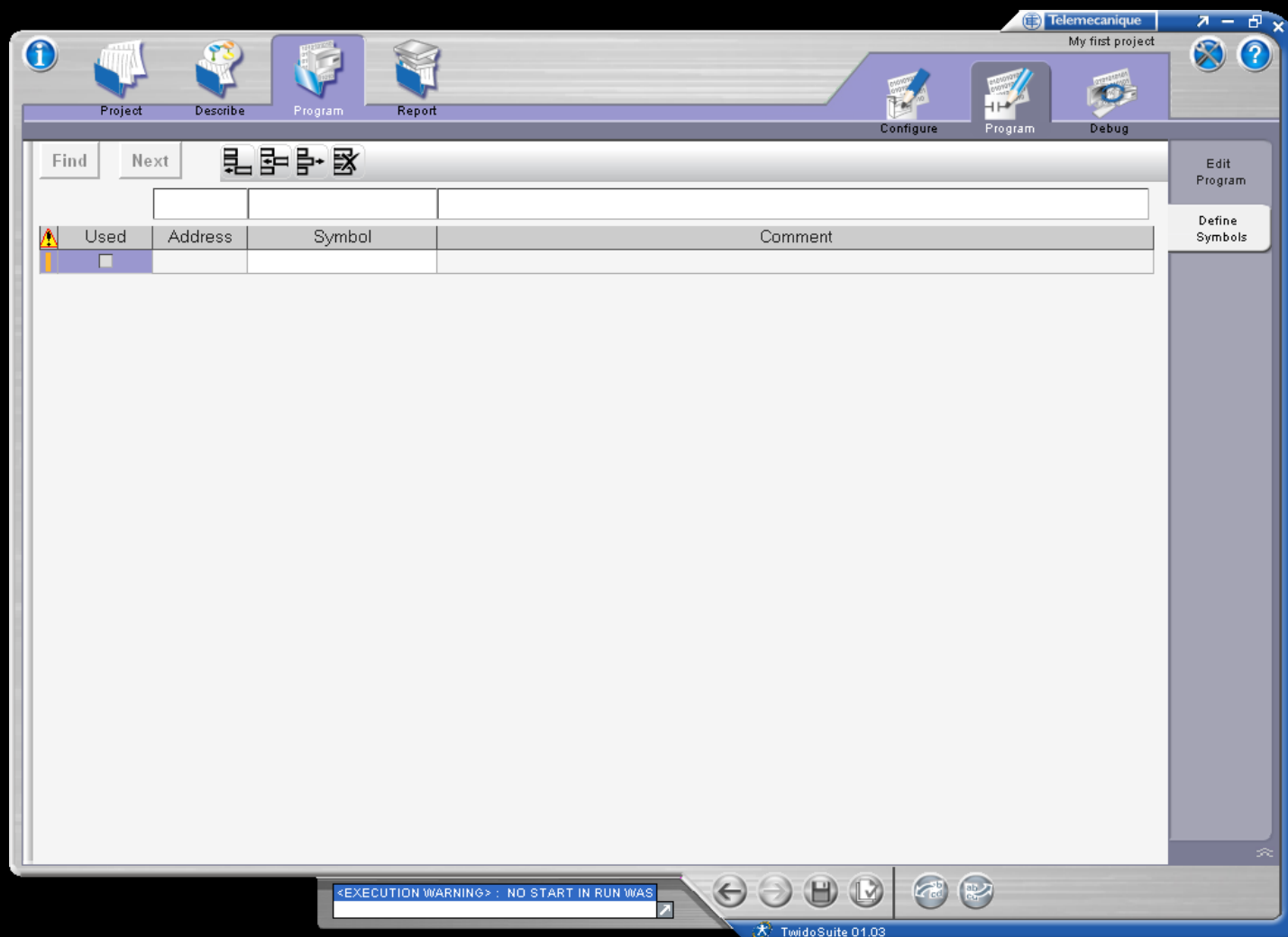


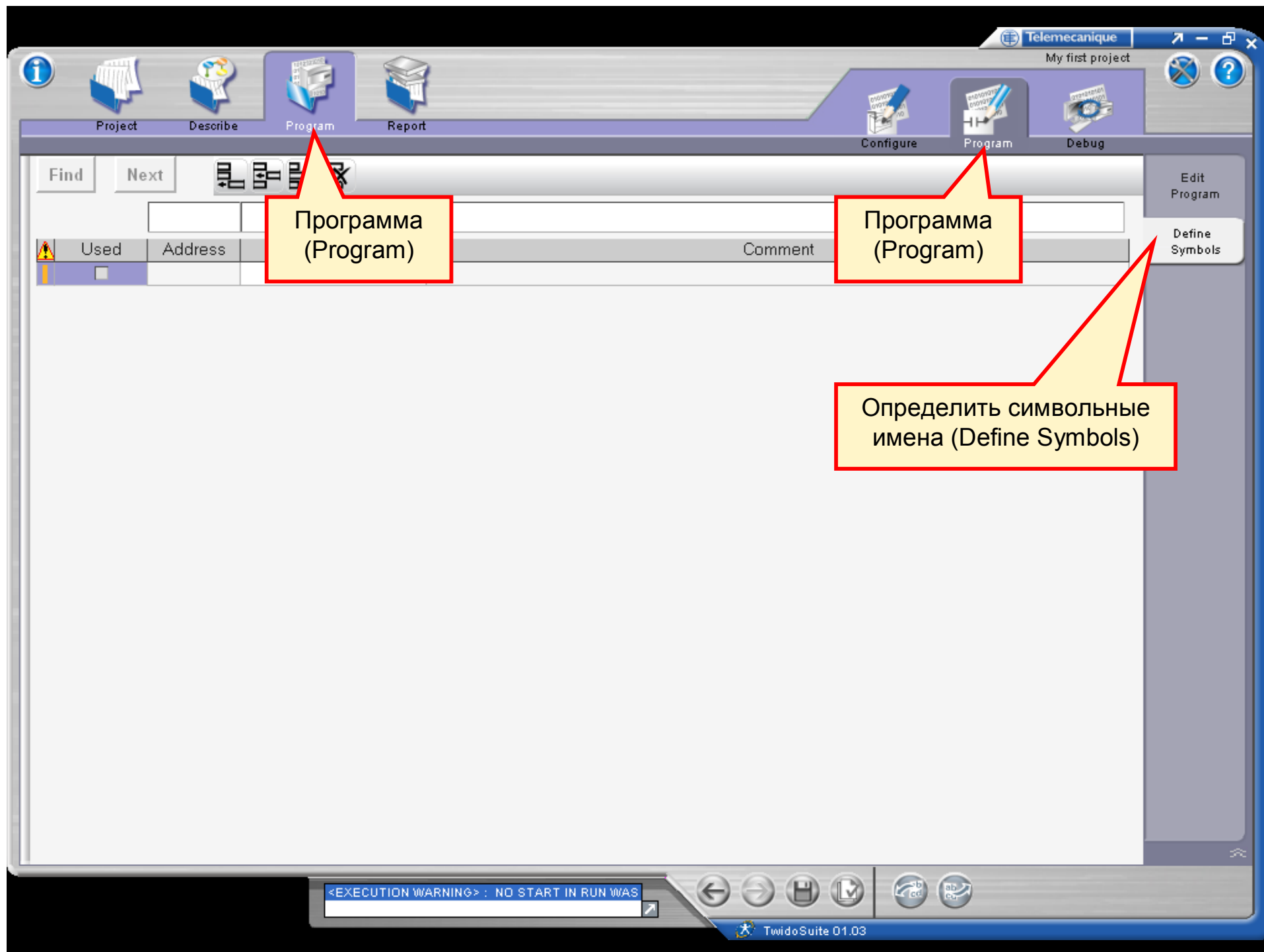






# Редактор символьных имен





Найти  
(Find)

Следующий  
(Next)

Find

Next



	Used	Address	Symbol	Comment
	<input type="checkbox"/>			

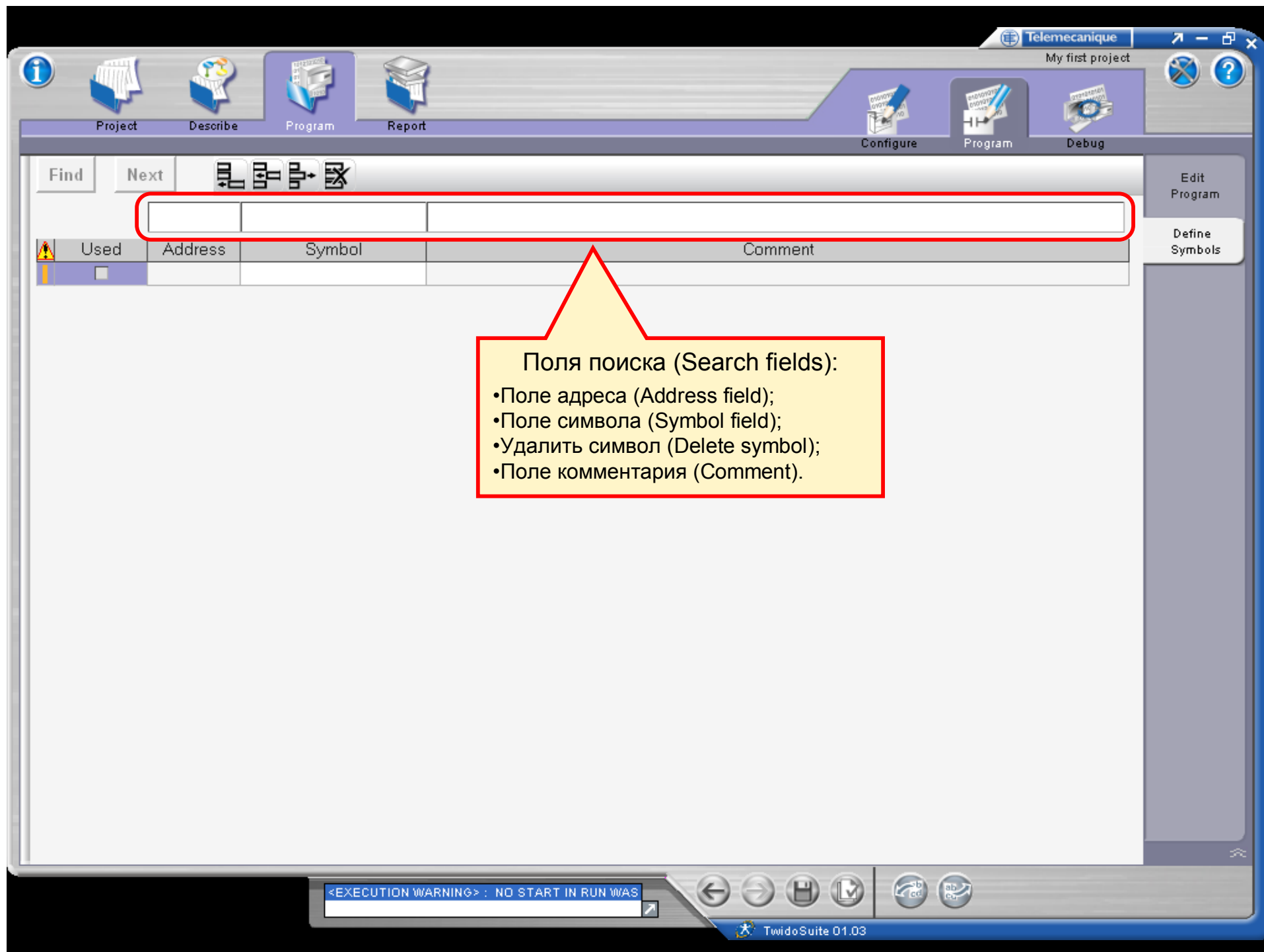
### Панель инструментов (Toolbar):

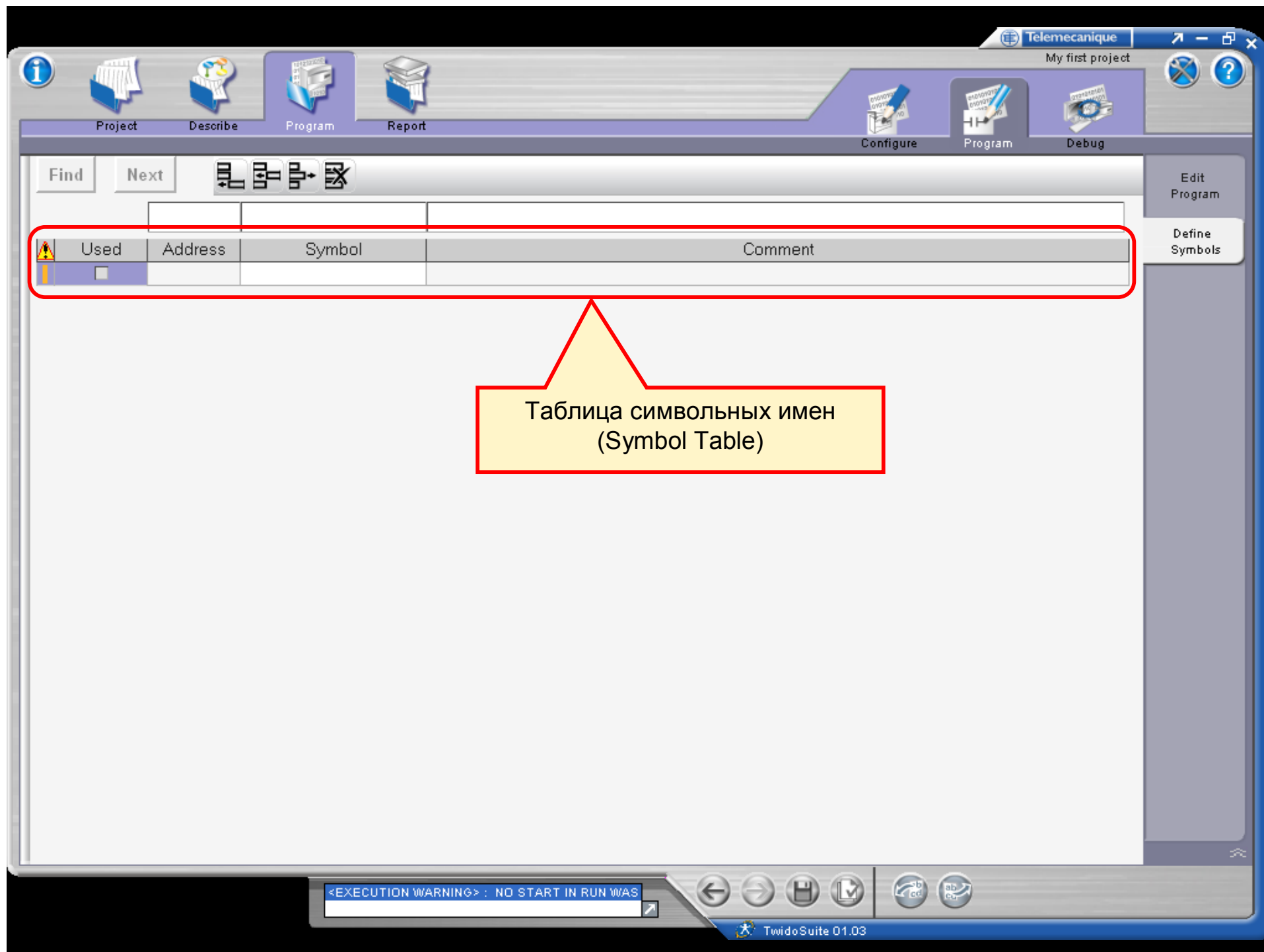
- Добавить символ (Append symbol);
- Вставить символ (Insert symbol);
- Удалить символ (Delete symbol);
- Удалить все символы (Delete all symbols).

<EXECUTION WARNING> : NO START IN RUN WAS



TwidoSuite 01.03





Telemecanique  
My first project

Report

Configure Program Debug

Find

Указатель искомого элемента

Used	Address	Symbol	Comment
<input checked="" type="checkbox"/>	%I0.0	INPUT_A	Вход_A
<input checked="" type="checkbox"/>	%I0.1	INPUT_B	Вход_B
<input checked="" type="checkbox"/>	%Q0.0	OUTPUT_1	Выход_1
<input checked="" type="checkbox"/>	%Q0.1	OUTPUT_2	Выход_2
<input type="checkbox"/>	%Q0.3	OUTPUT_3	Не задействован
<input type="checkbox"/>		OUTPUT_4	

Комментарий (Comment)

Символьное имя (Symbol)

Физический адрес входа (Address)

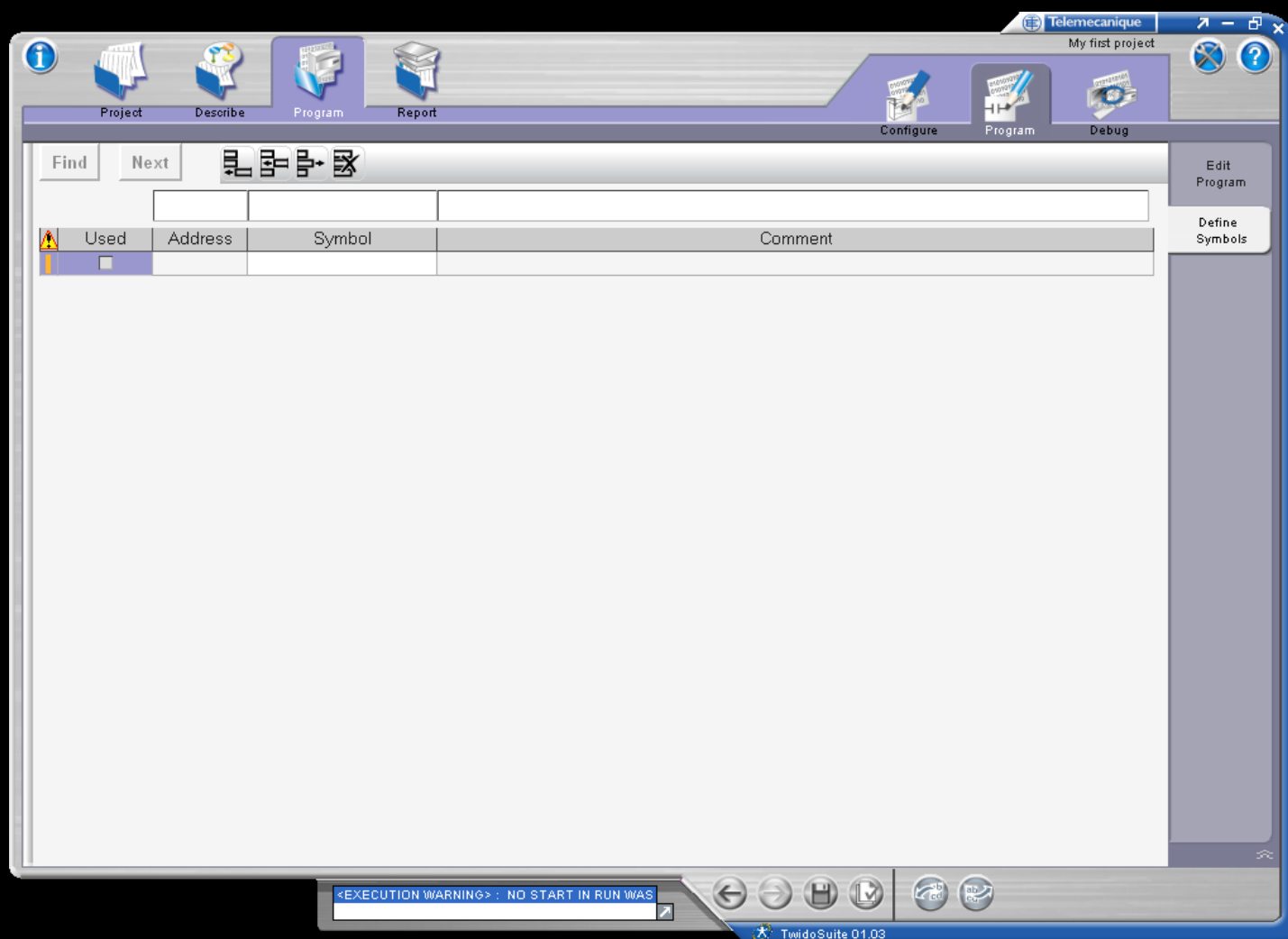
Занятость в программе (Used)

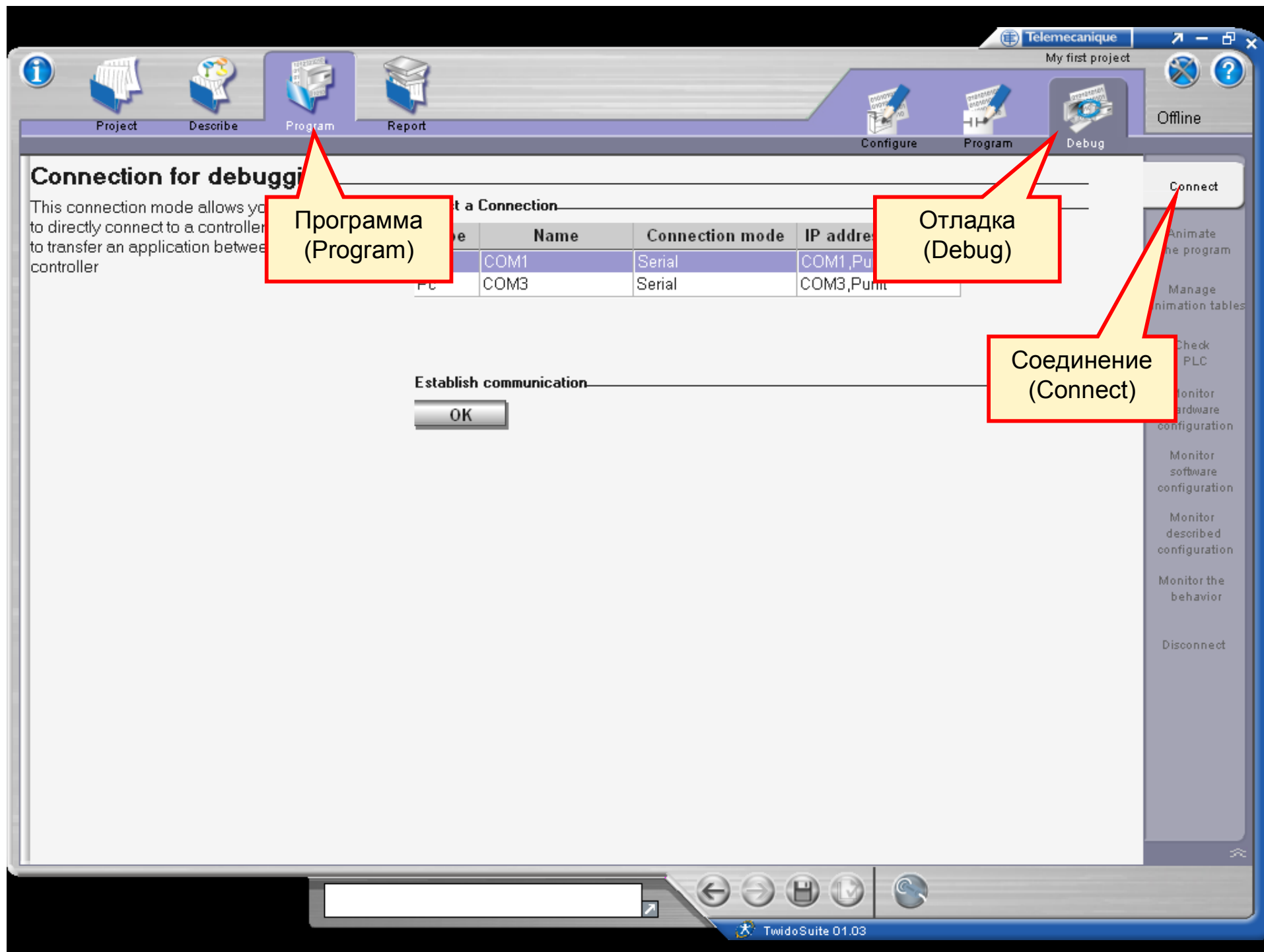
Предупреждение (Warning)

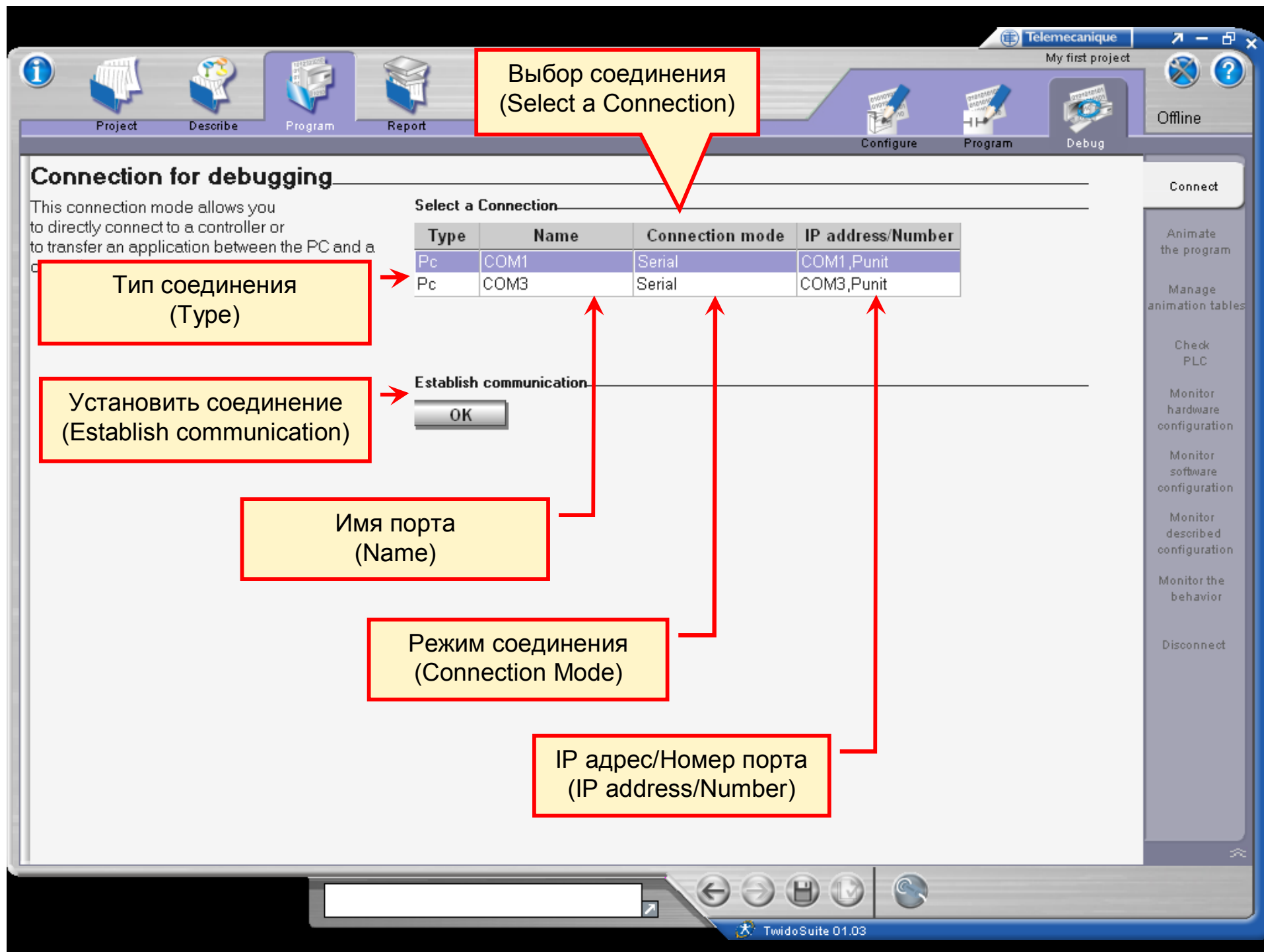
TwidoSuite 01.03

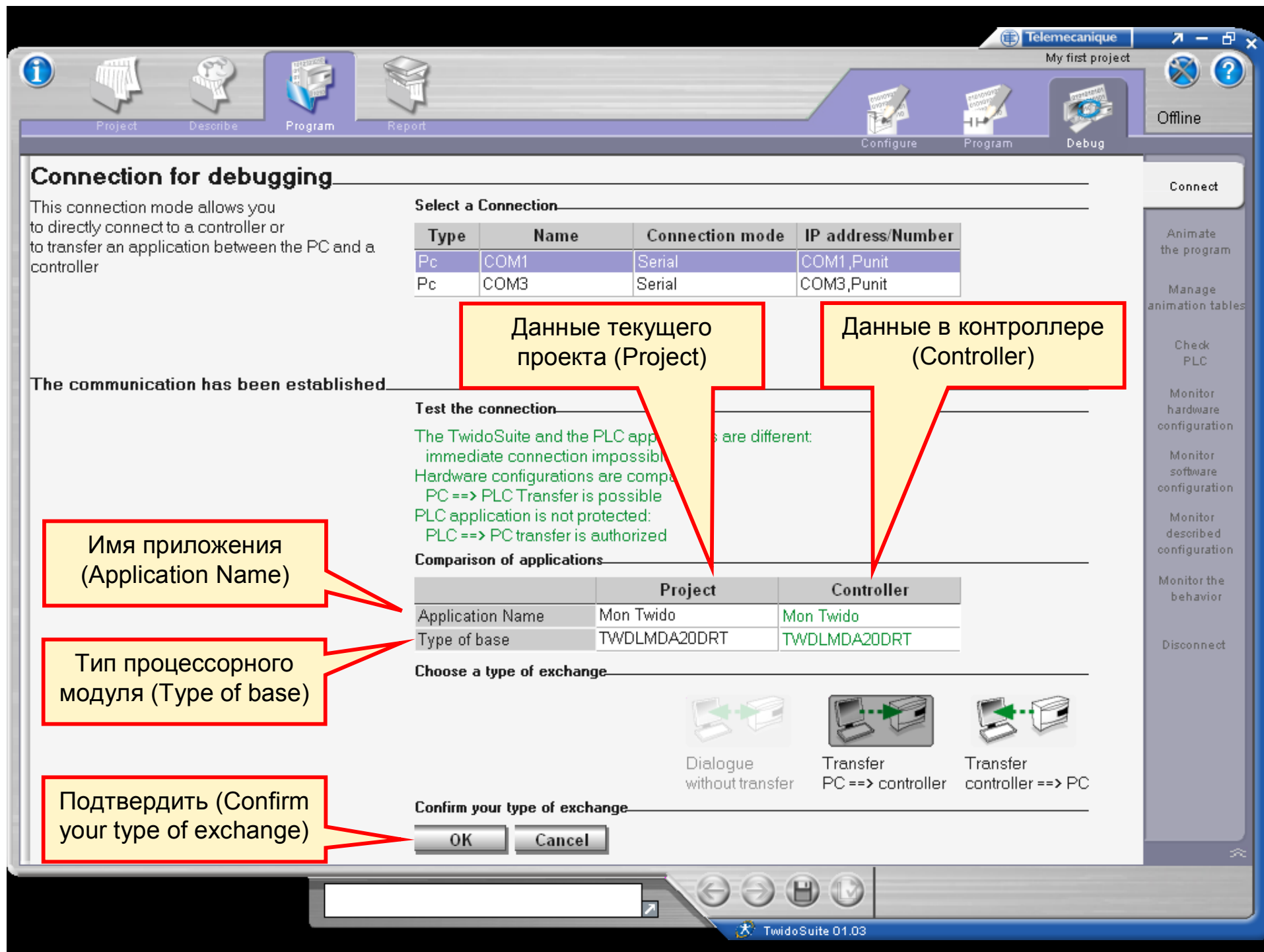
<EXECUTION WARNING> : NO START IN RUN WAS

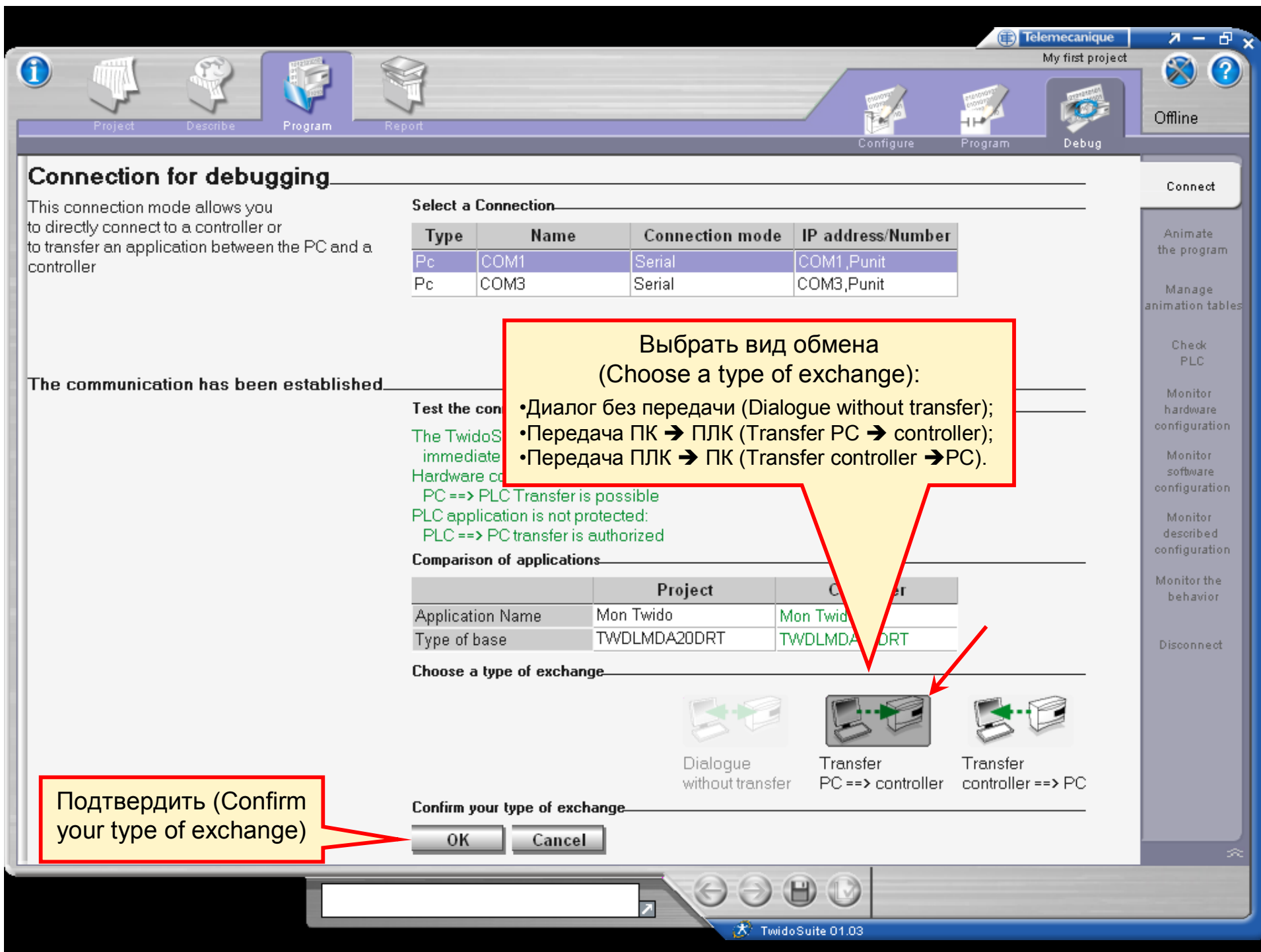
# Соединение ПК с Twido











Индикатор прогресса компиляции  
(Generating the binary...)

## Connect TwidoSuite

This connection  
to directly connect  
to transfer an  
controller

The communication

Generating the binary...

### Remark



Controller running. Click on OK to stop the controller, or on Cancel to stop the transfer.

OK

Cancel

Предупреждение –  
контроллер запущен:

- OK – остановить контроллер;
- Cancel – остановить передачу.

	Project	Controller
Application Name	Mon Twido	Mon Twido
Type of base	TWDLMDA20DRT	TWDLMDA20DRT

Choose a type of exchange



Dialogue  
without transfer



Transfer  
PC ==> controller



Transfer  
controller ==> PC

Confirm your type of exchange

OK

Cancel

<EXECUTION WARNING> Rung: Section 1 Rung C  
<EXECUTION WARNING> Rung: Section 2 Rung C

TwidoSuite 01.03

Индикатор прогресса компиляции  
(Generating the binary...)

## Connect

This connection  
to directly connect  
to transfer an application  
controller

The communication

## TwidoSuite

Generating the binary...

### Remark



You will overwrite the application in the controller.  
Click on OK to continue the transfer, or on Cancel to abort.

OK

Cancel

Предупреждение –  
перезаписать программу  
в контроллер?:

- OK – перезаписать программу;
- Cancel – прервать передачу.

	Project	Controller
Application Name	Mon Twido	Mon Twido
Type of base	TWDLMDA20DRT	TWDLMDA20DRT

Choose a type of exchange



Dialogue  
without transfer



Transfer  
PC ==> controller



Transfer  
controller ==> PC

Confirm your type of exchange

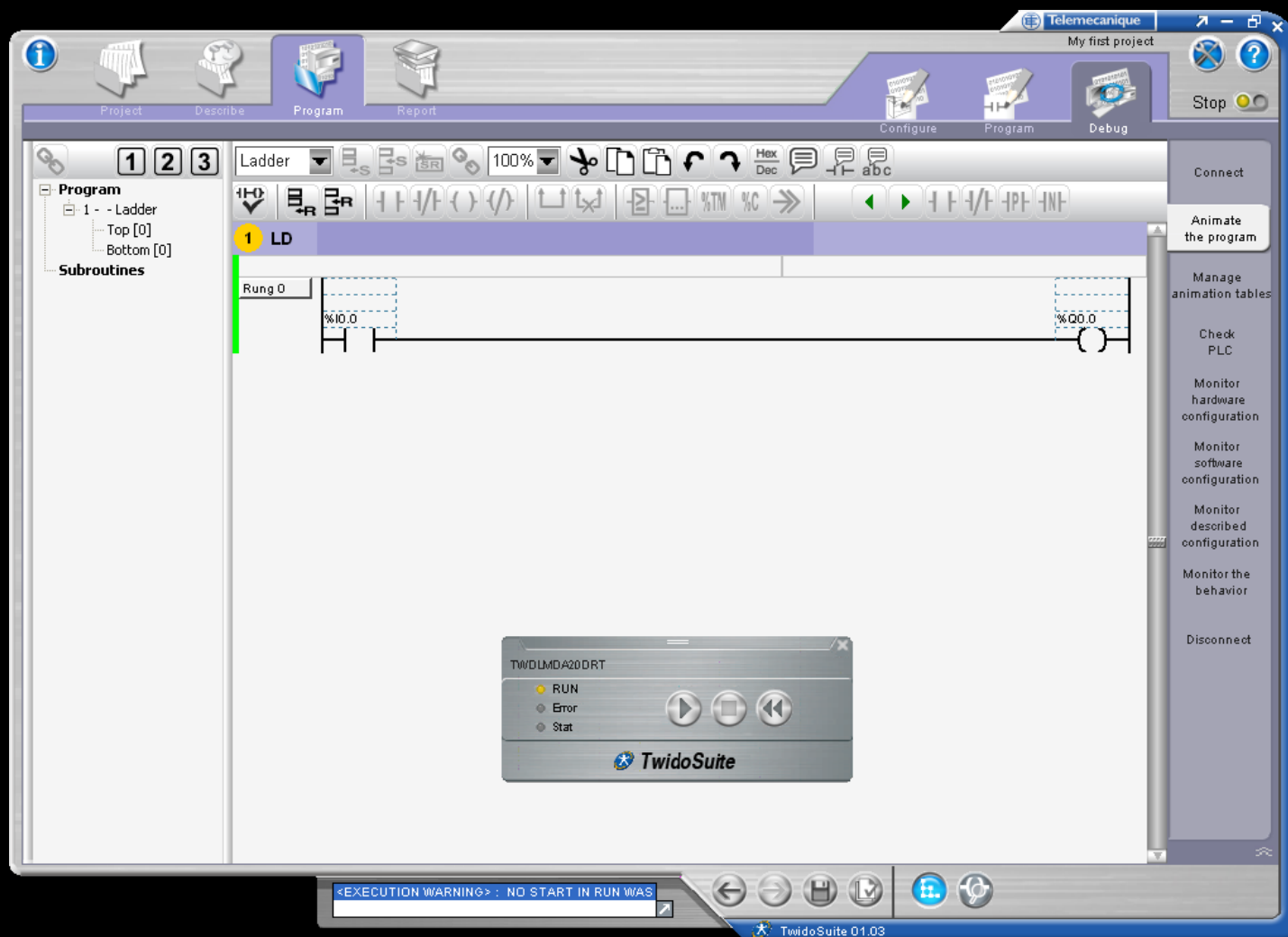
OK

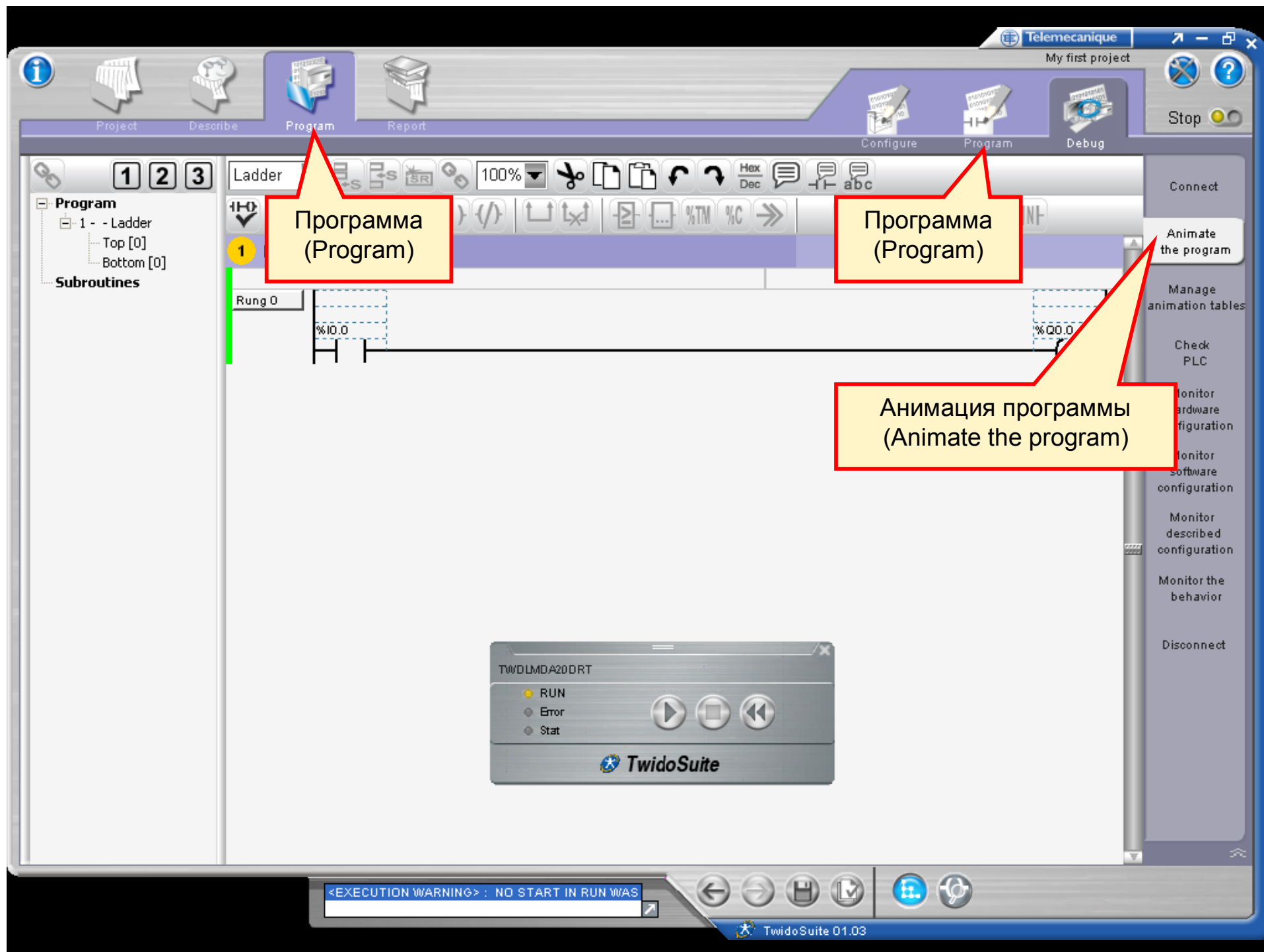
Cancel

<EXECUTION WARNING> Rung: Section 1 Rung C  
<EXECUTION WARNING> Rung: Section 2 Rung C

TwidoSuite 01.03

# Отладка в режиме анимации





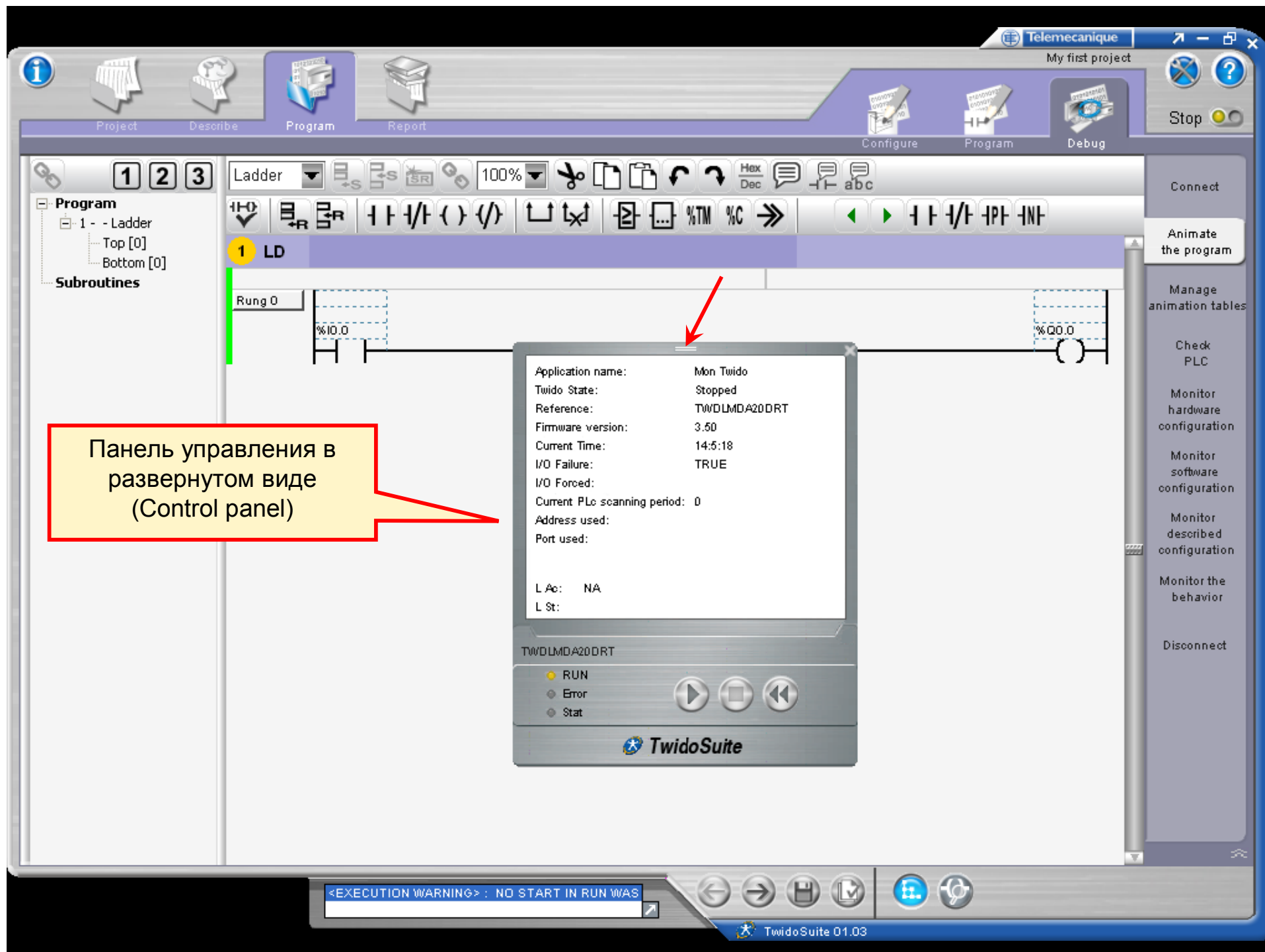
Проверить и передать  
(Validate and transfer)

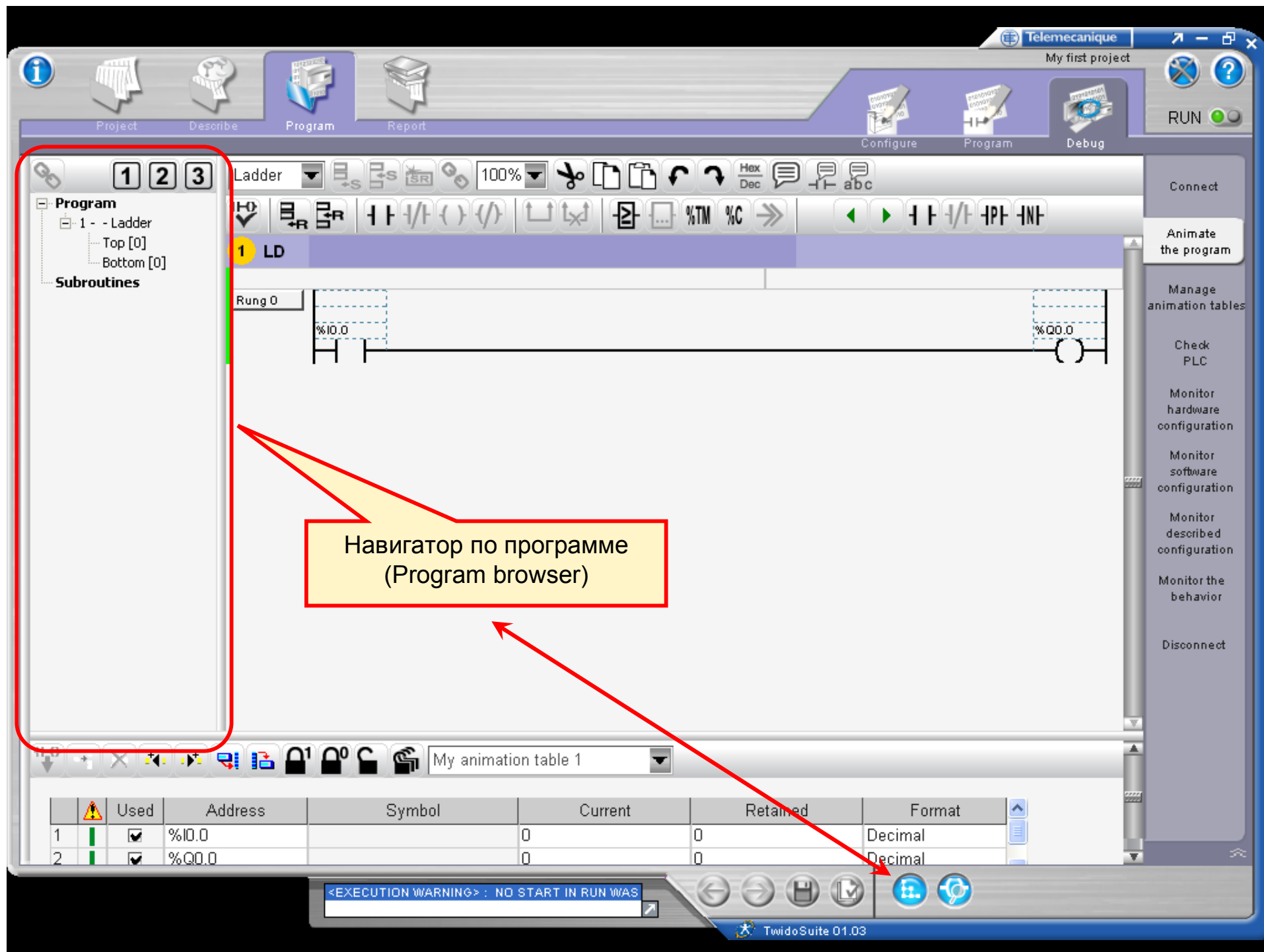
### Панель управления (Control panel):

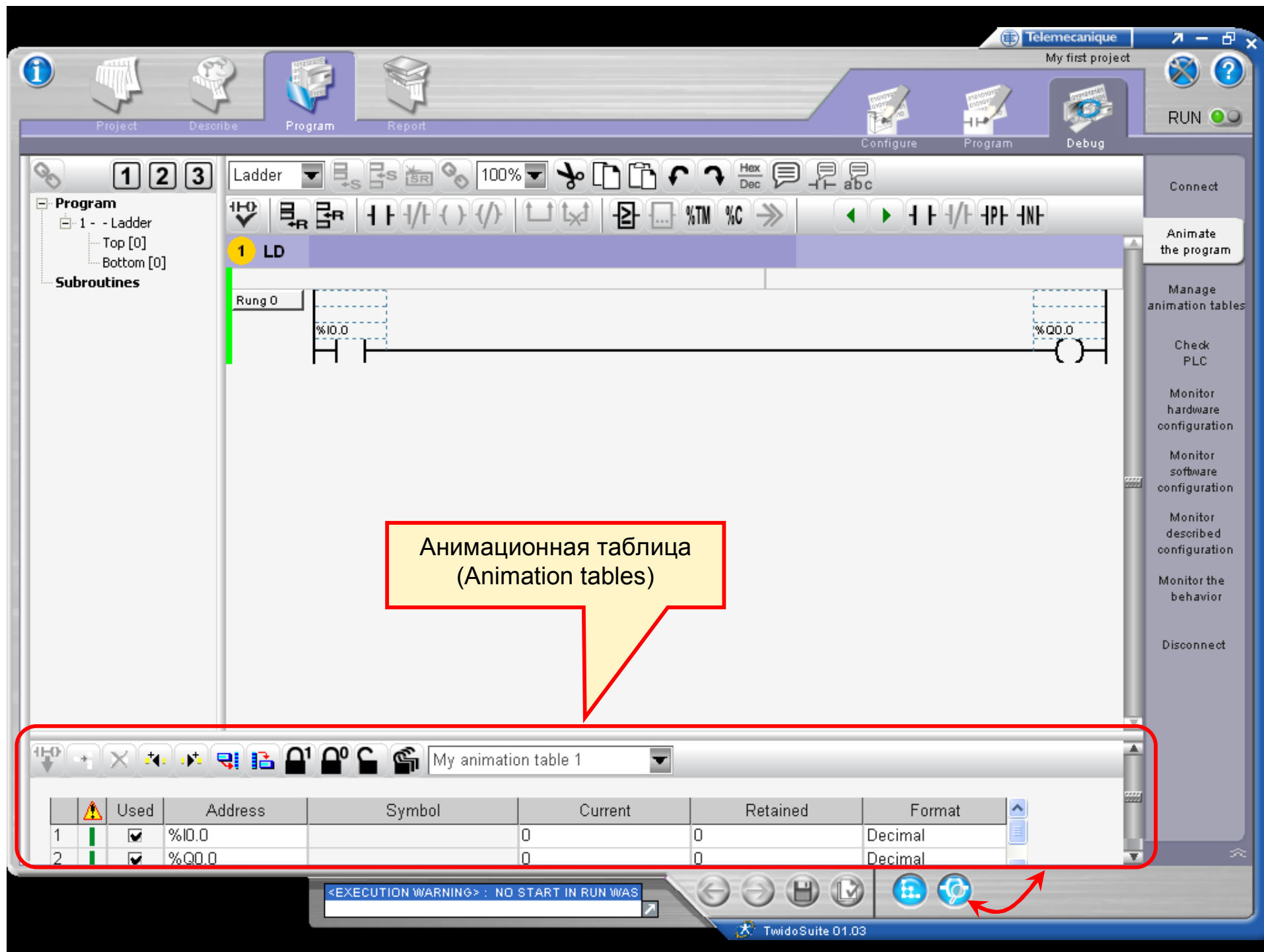
- Индикаторы:
  - Пуск (RUN);
  - Ошибка (Error);
  - Бит статуса (Stat);
- Кнопки:
  - Пуск (Run);
  - Останов (Stop);
  - Начальная инициализация (Initialize).

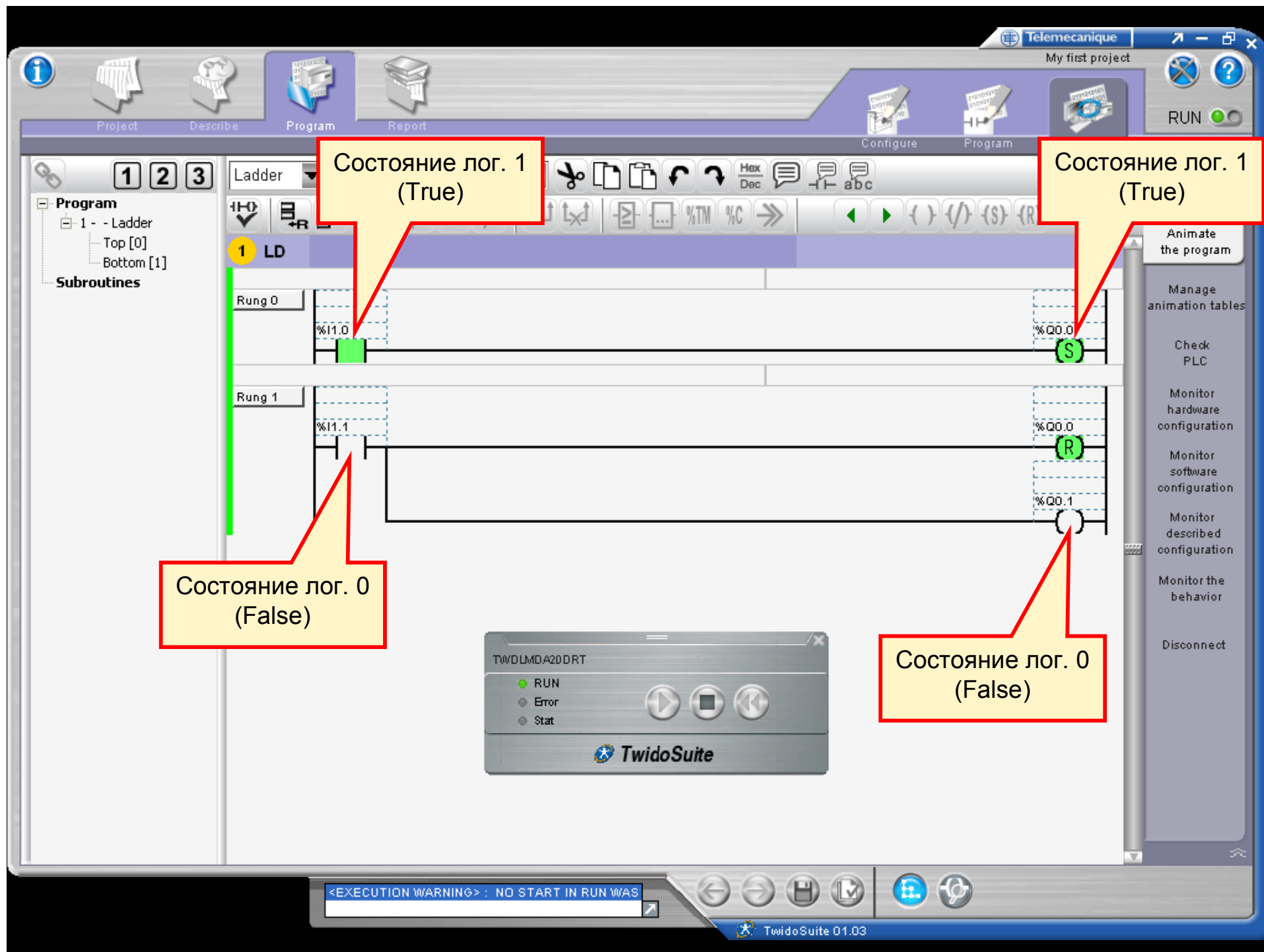


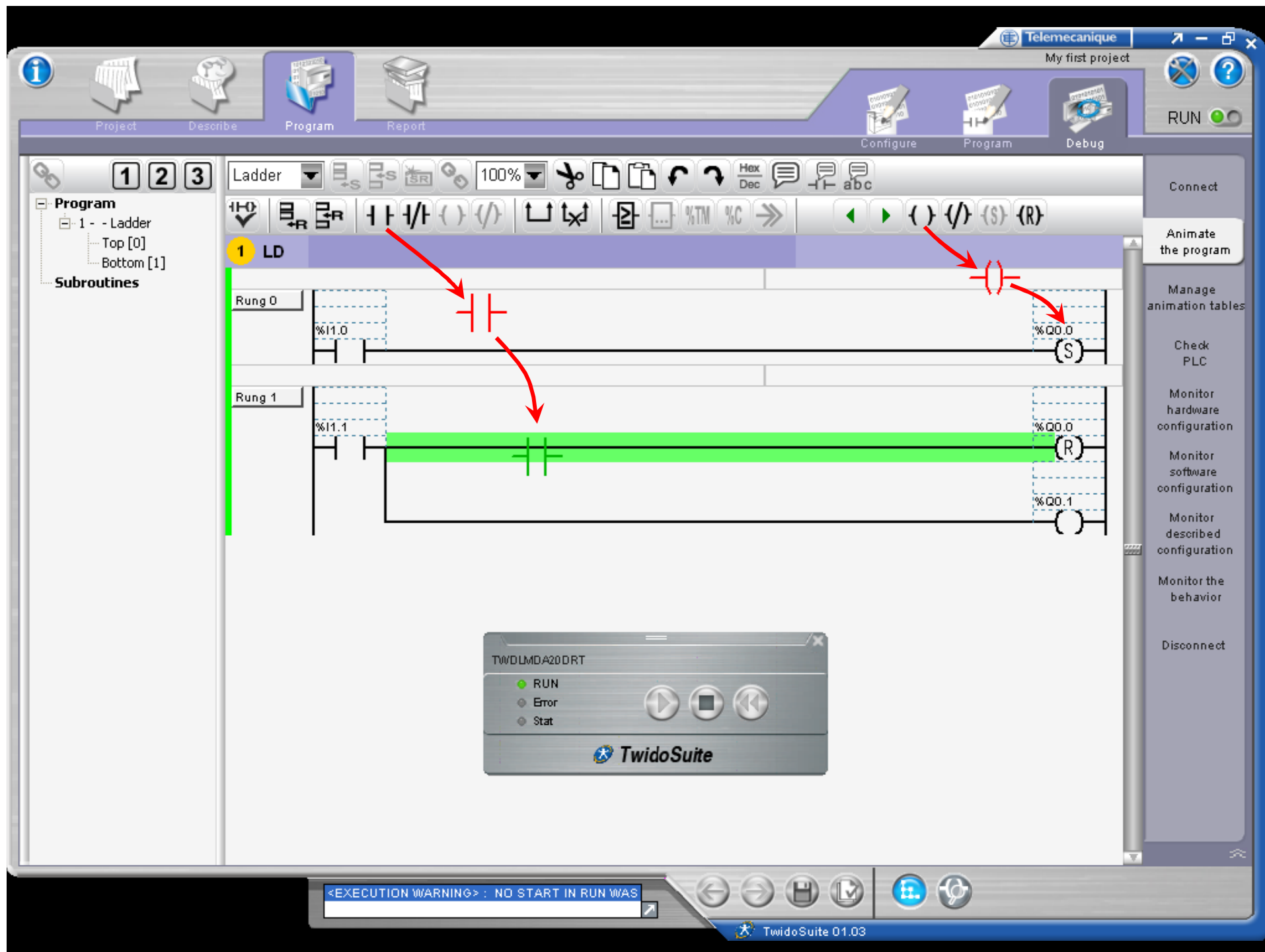
<EXECUTION WARNING> : NO START IN RUN WAS



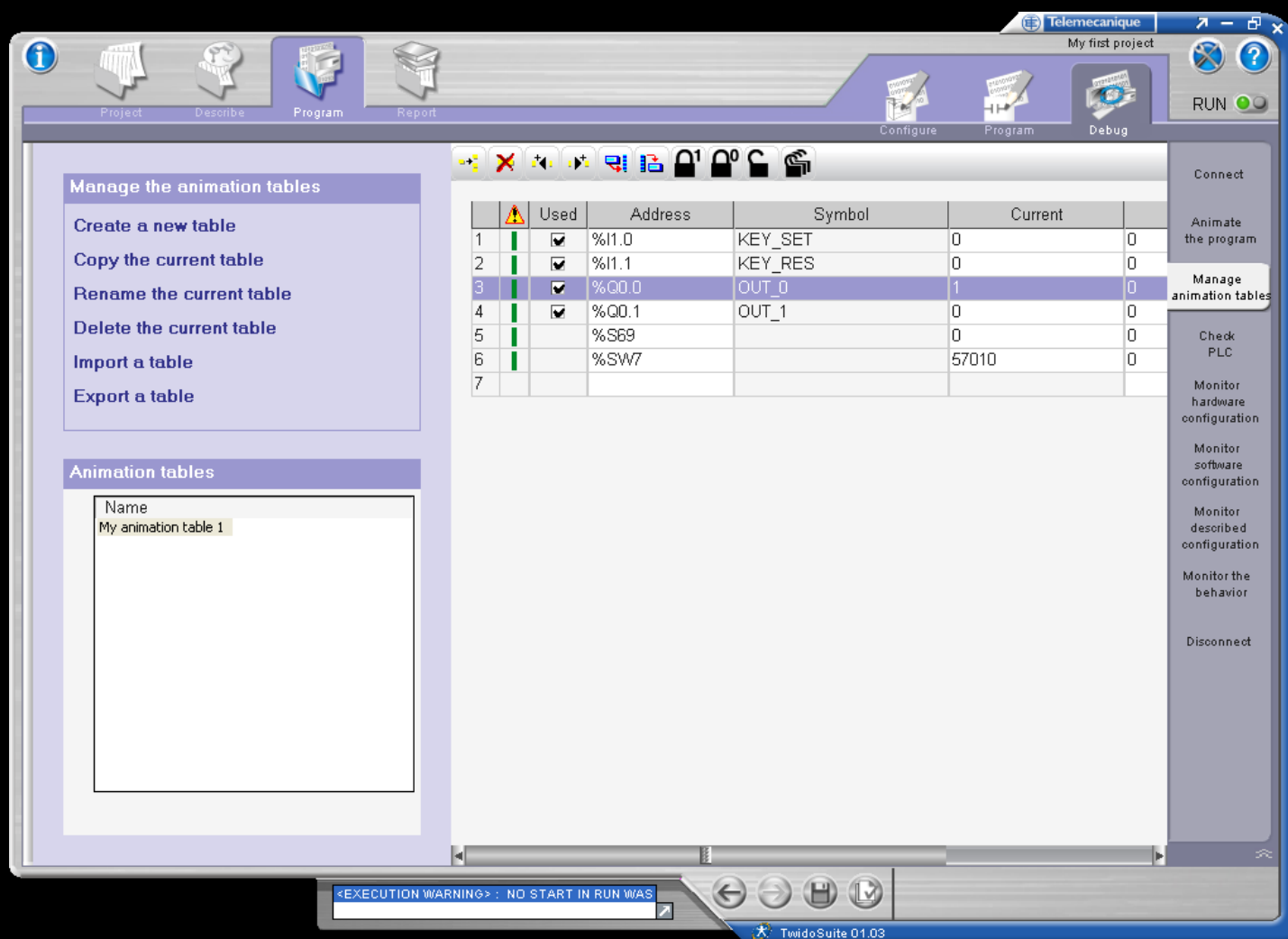


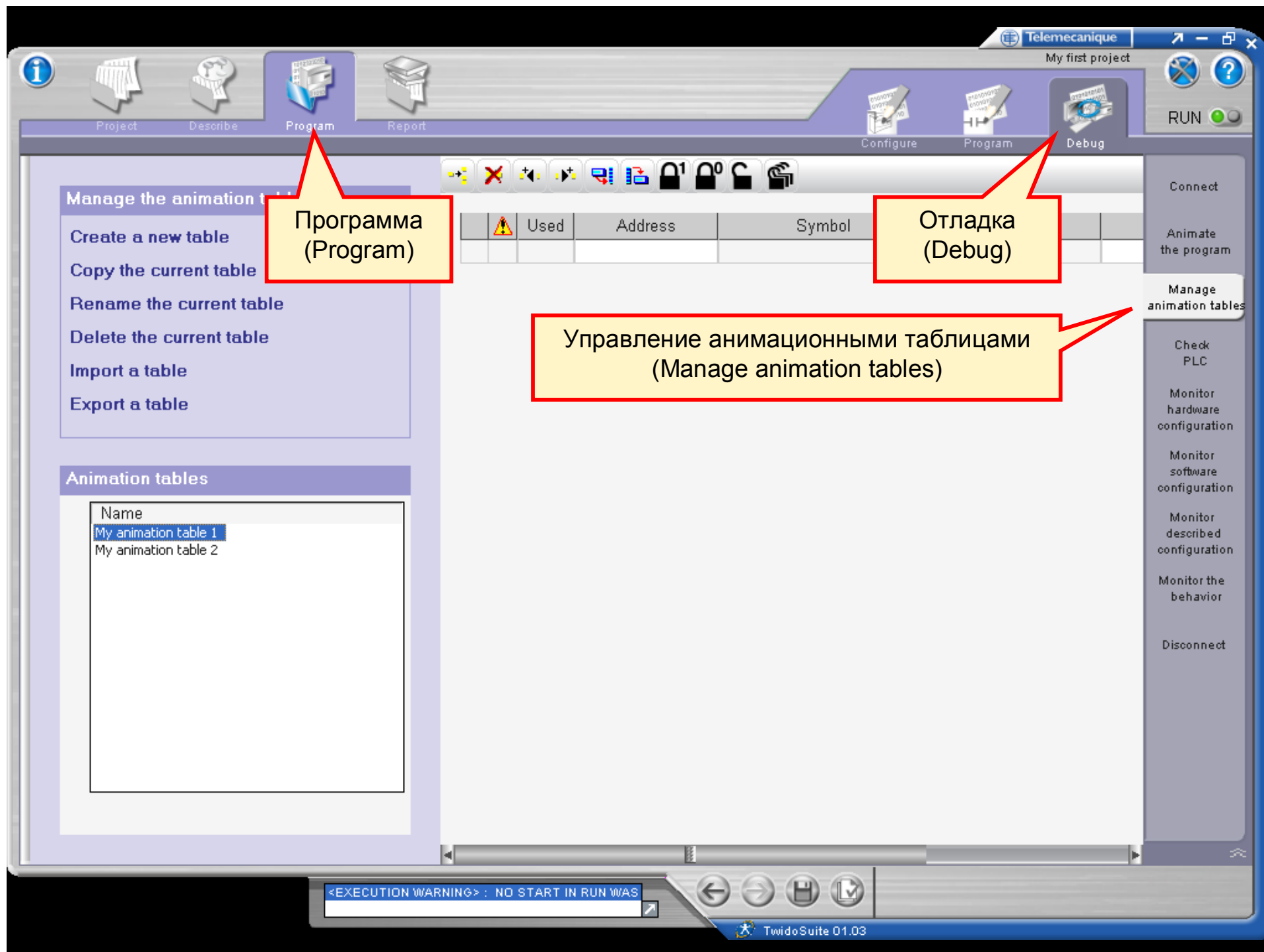


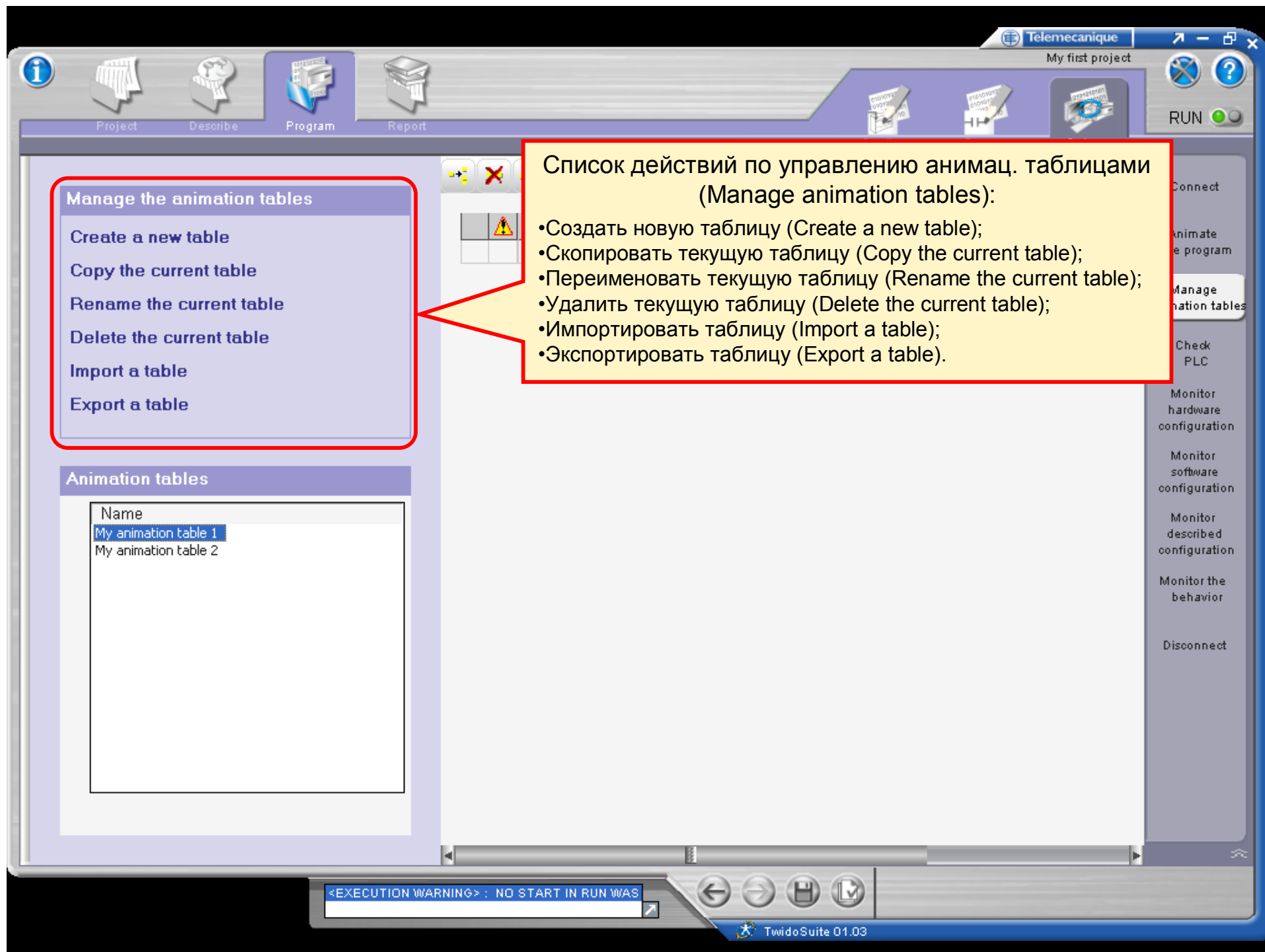


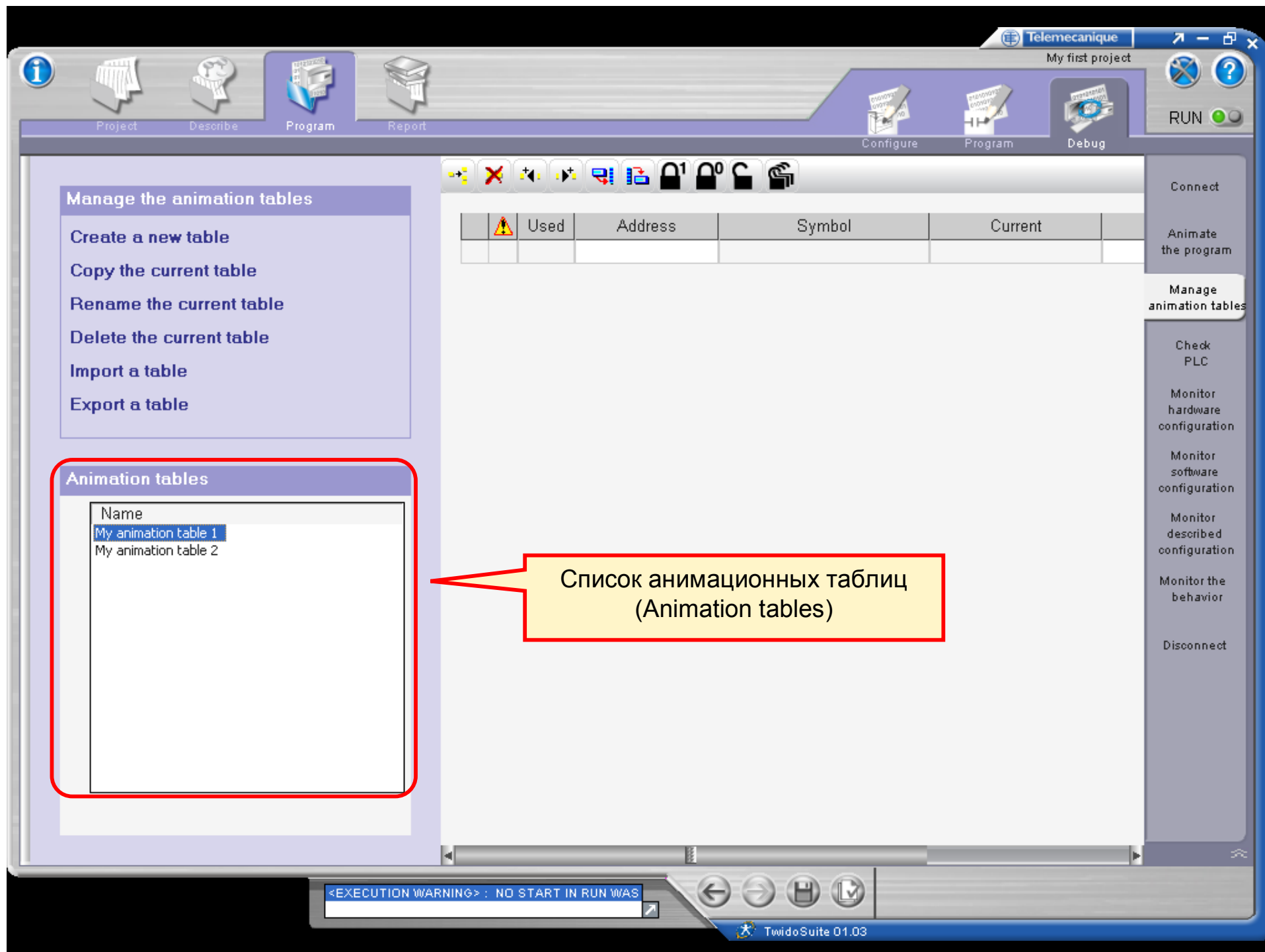


# Управление анимационными таблицами









Панель инструментов  
(Toolbar)

#### Manage the animation tables

- Create a new table
- Copy the current table
- Rename the current table
- Delete the current table
- Import a table
- Export a table

#### Animation tables

Name  
My animation table 1  
My animation table 2



	Used	Address	Symbol	Current

- Connect
- Animate the program
- Manage animation tables
- Check PLC
- Monitor hardware configuration
- Monitor software configuration
- Monitor described configuration
- Monitor the behavior
- Disconnect

<EXECUTION WARNING> : NO START IN RUN WAS

