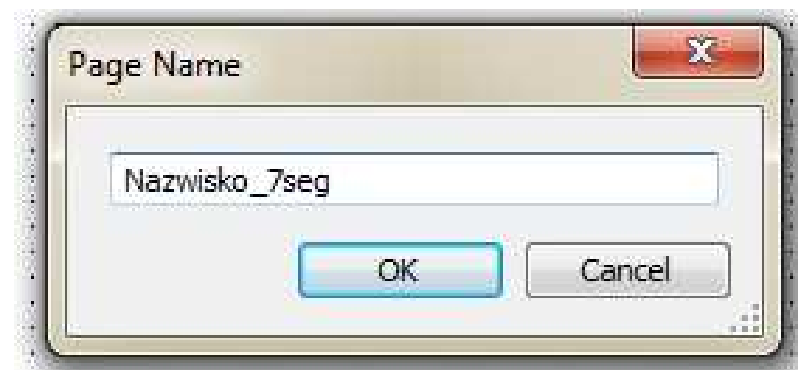
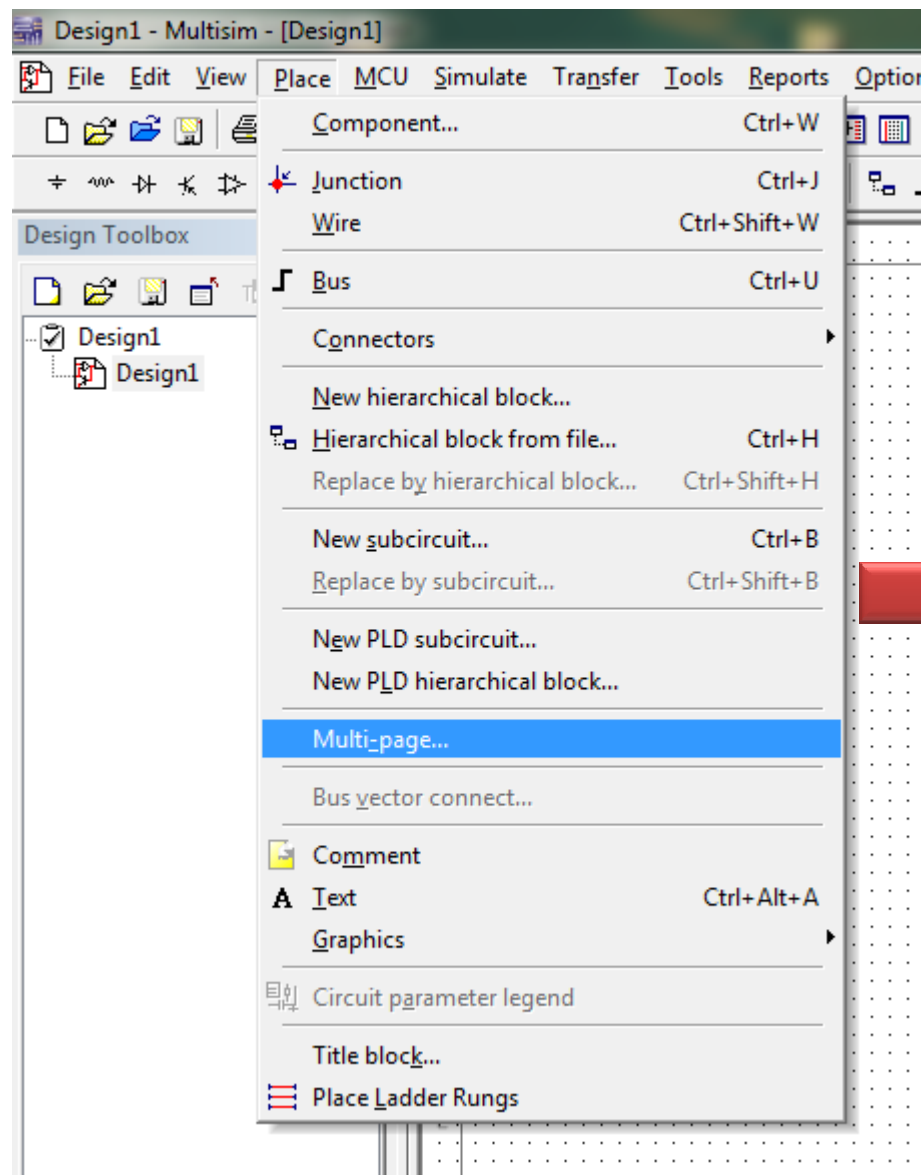
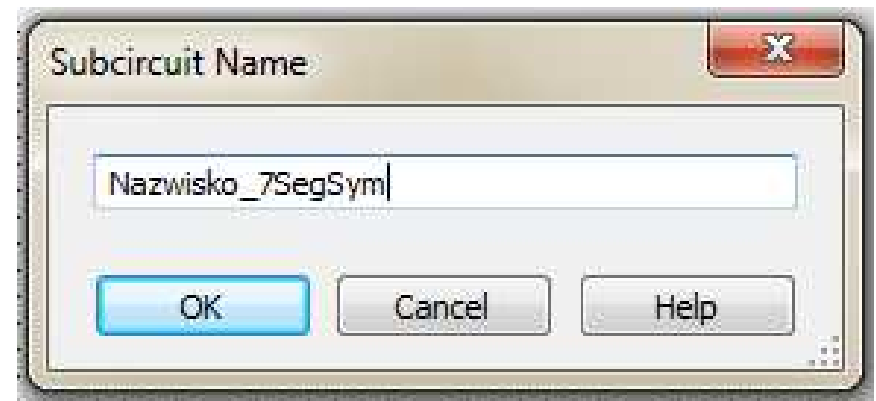
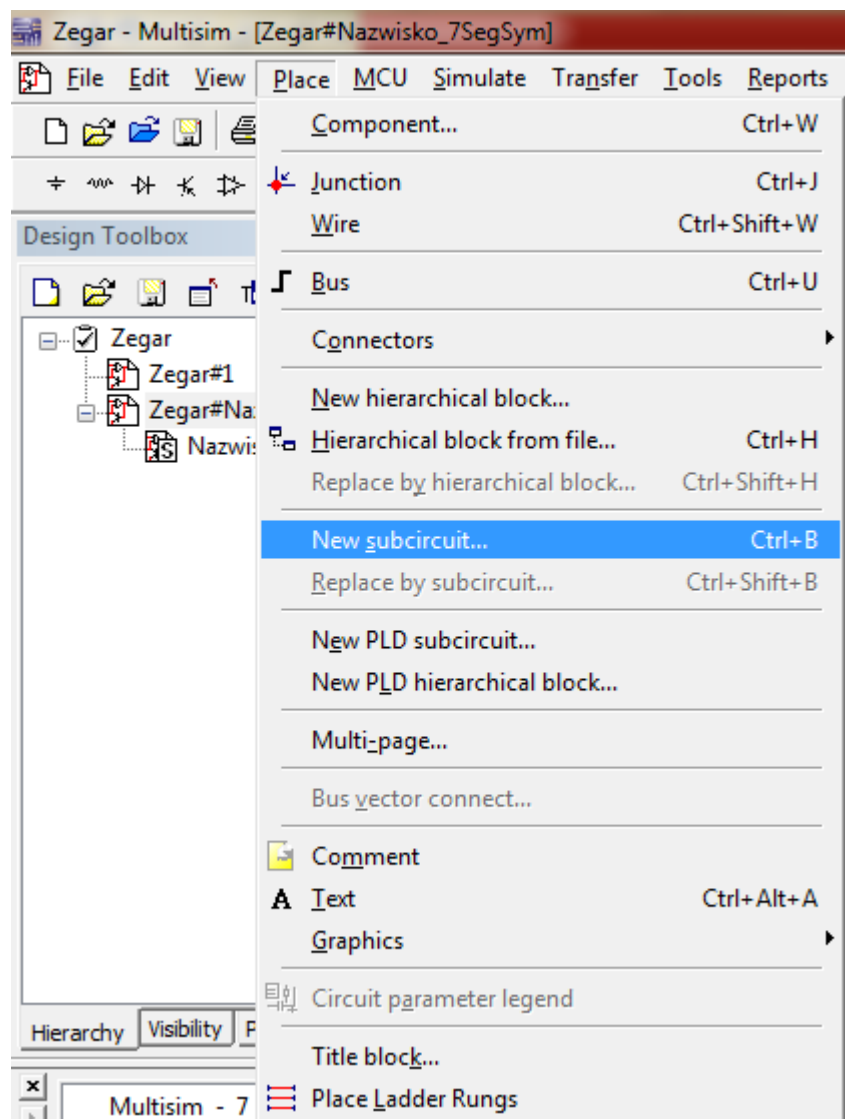
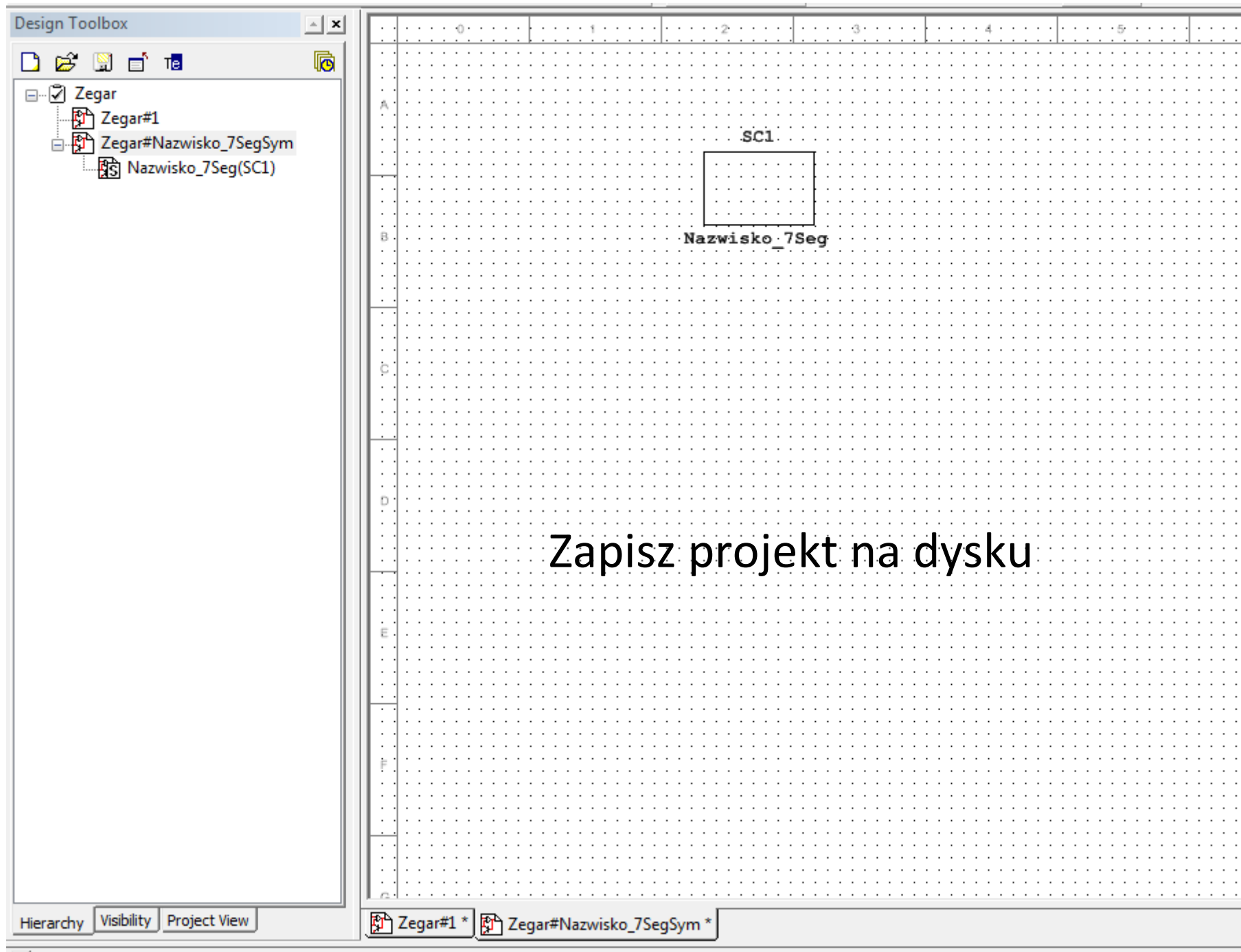


Budowa sterownika do wyświetlacza 7-segmentowego przy użyciu bramek

1. Przygotowanie projektu zachowując odpowiednie nazwy zawierające nazwisko studenta.

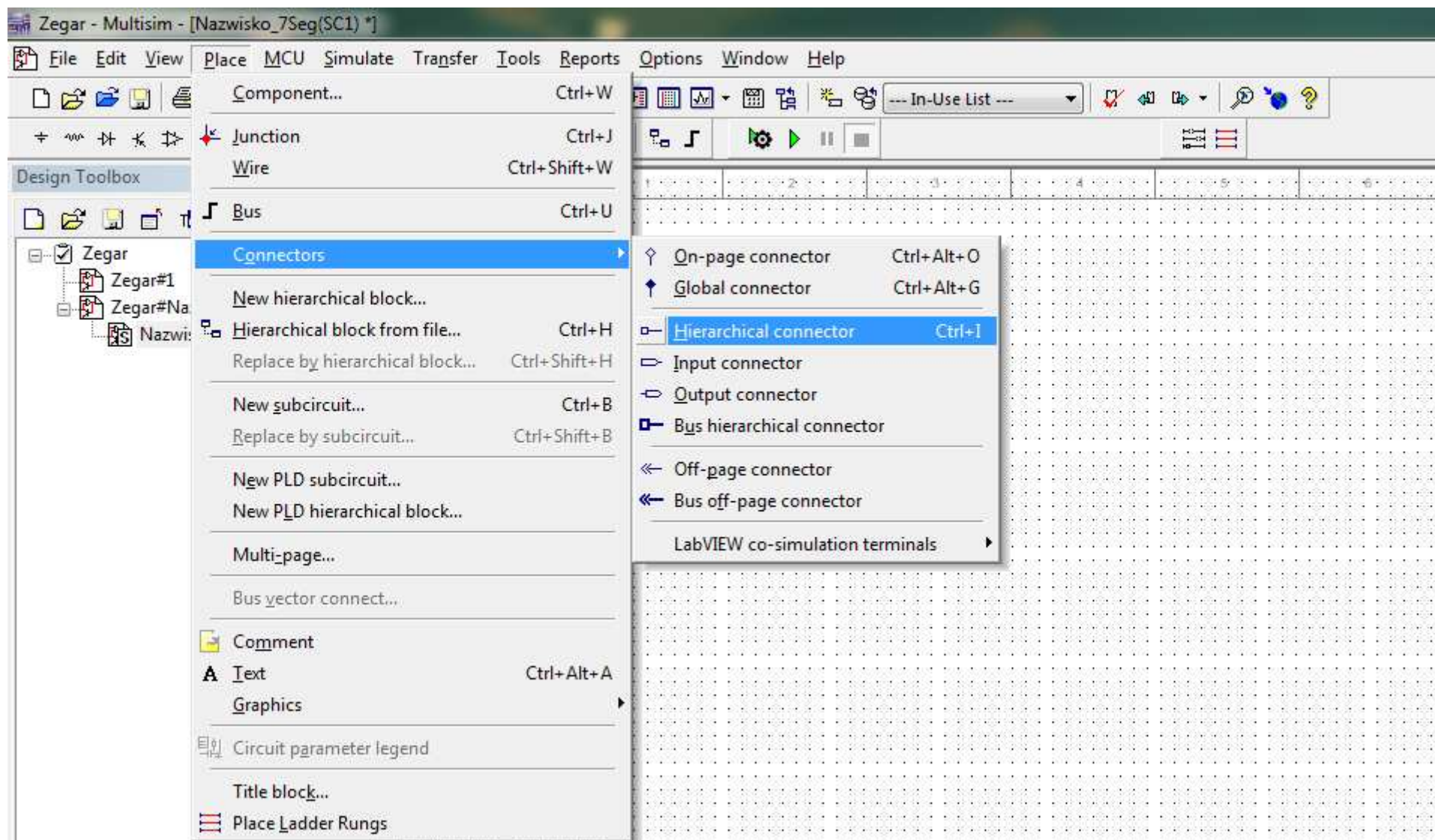




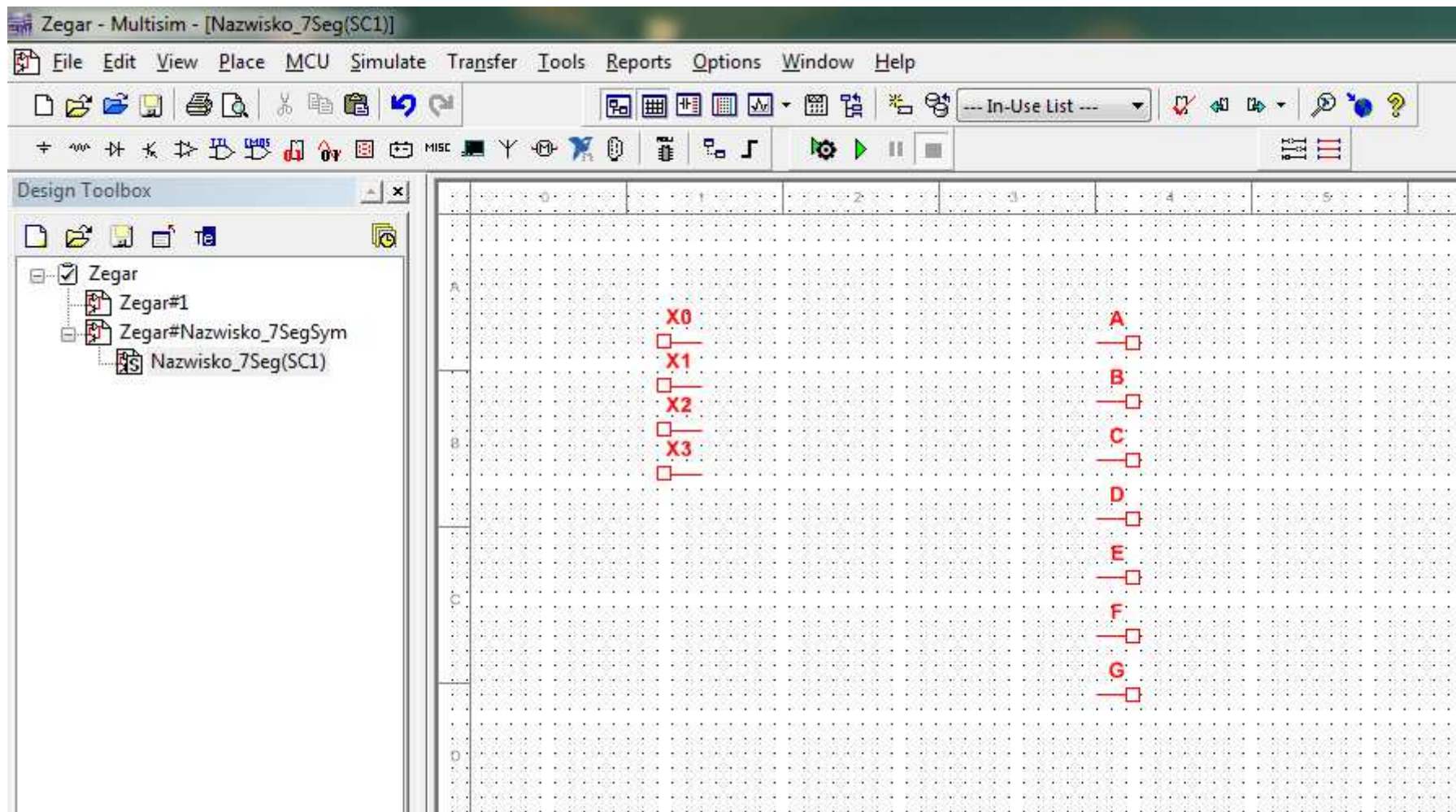


Zapisz projekt na dysku

2. Modyfikacja symbolu dekodera

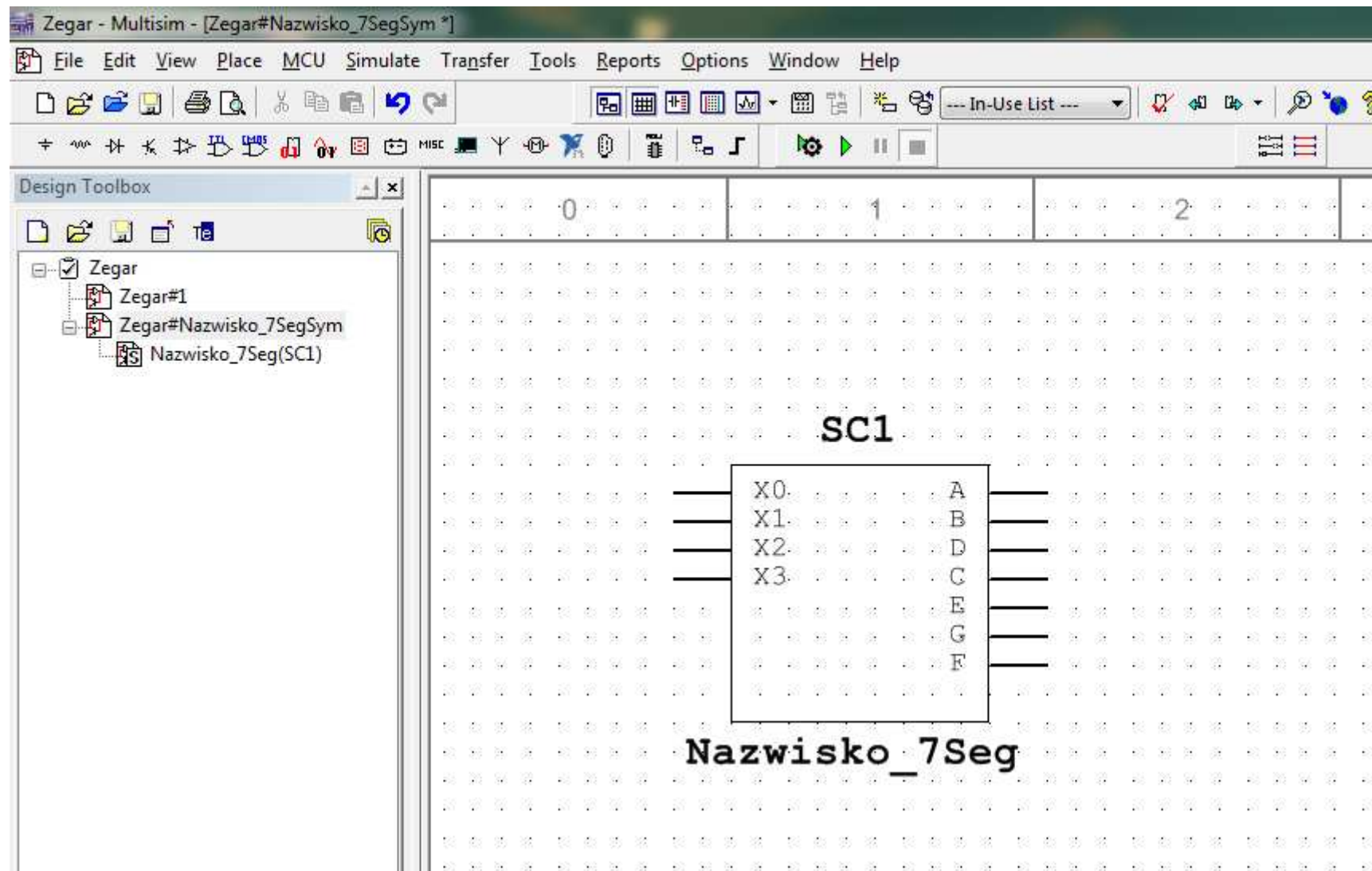


Dodaj do schematu dekodera (Nazwisko_7seg) porty wejścia i wyjścia

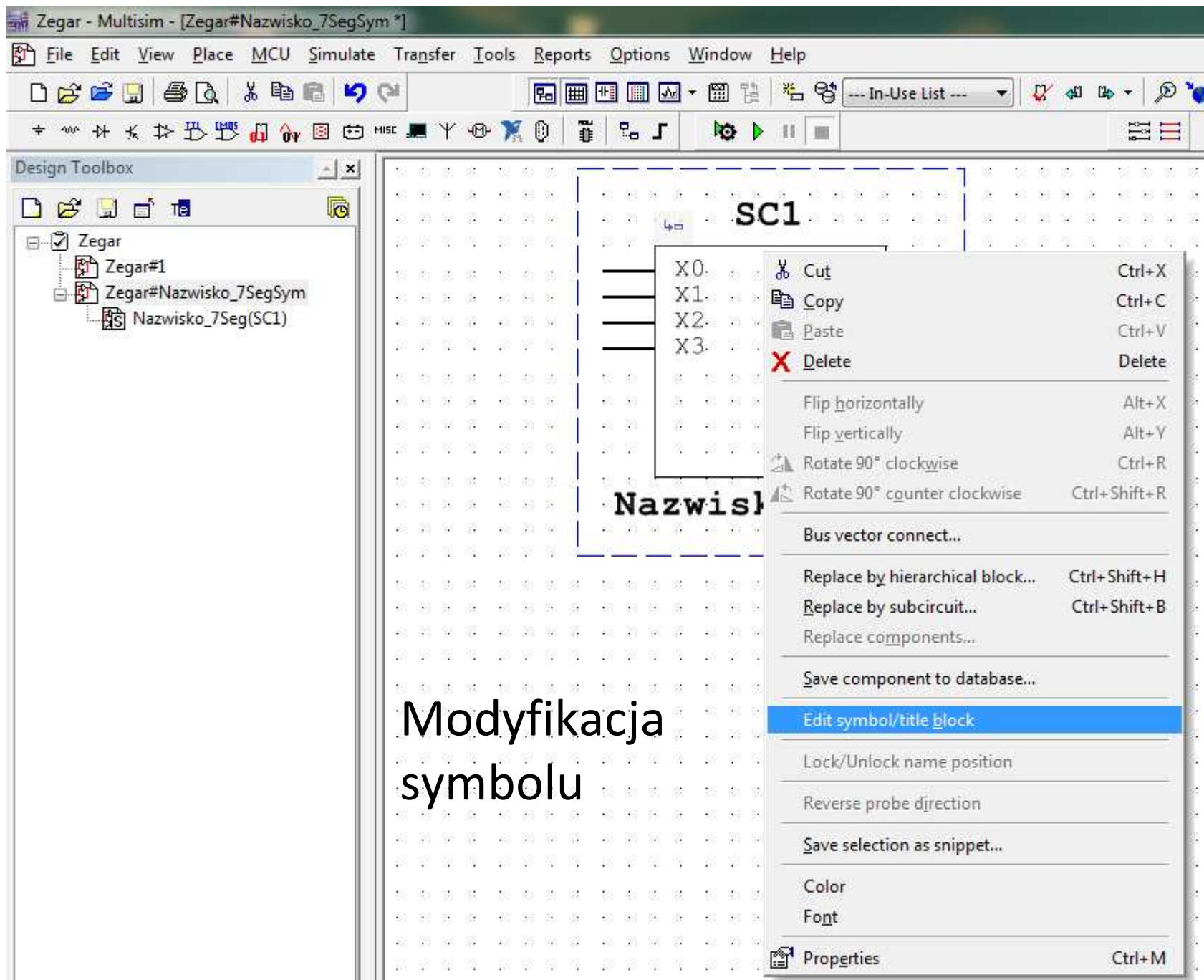


Wejścia muszą być skierowane w prawo a wyjścia w lewo.

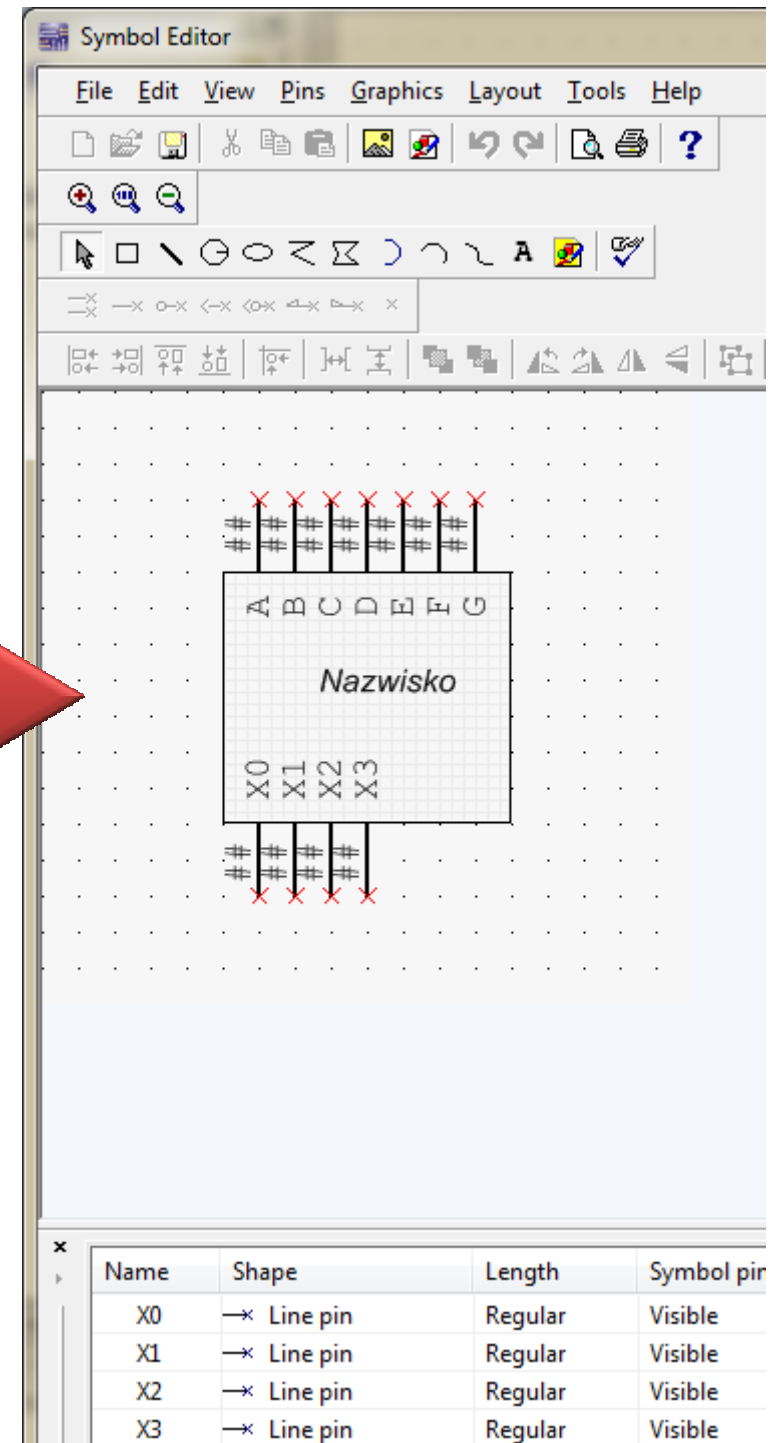
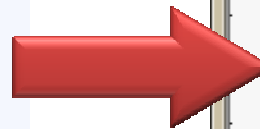
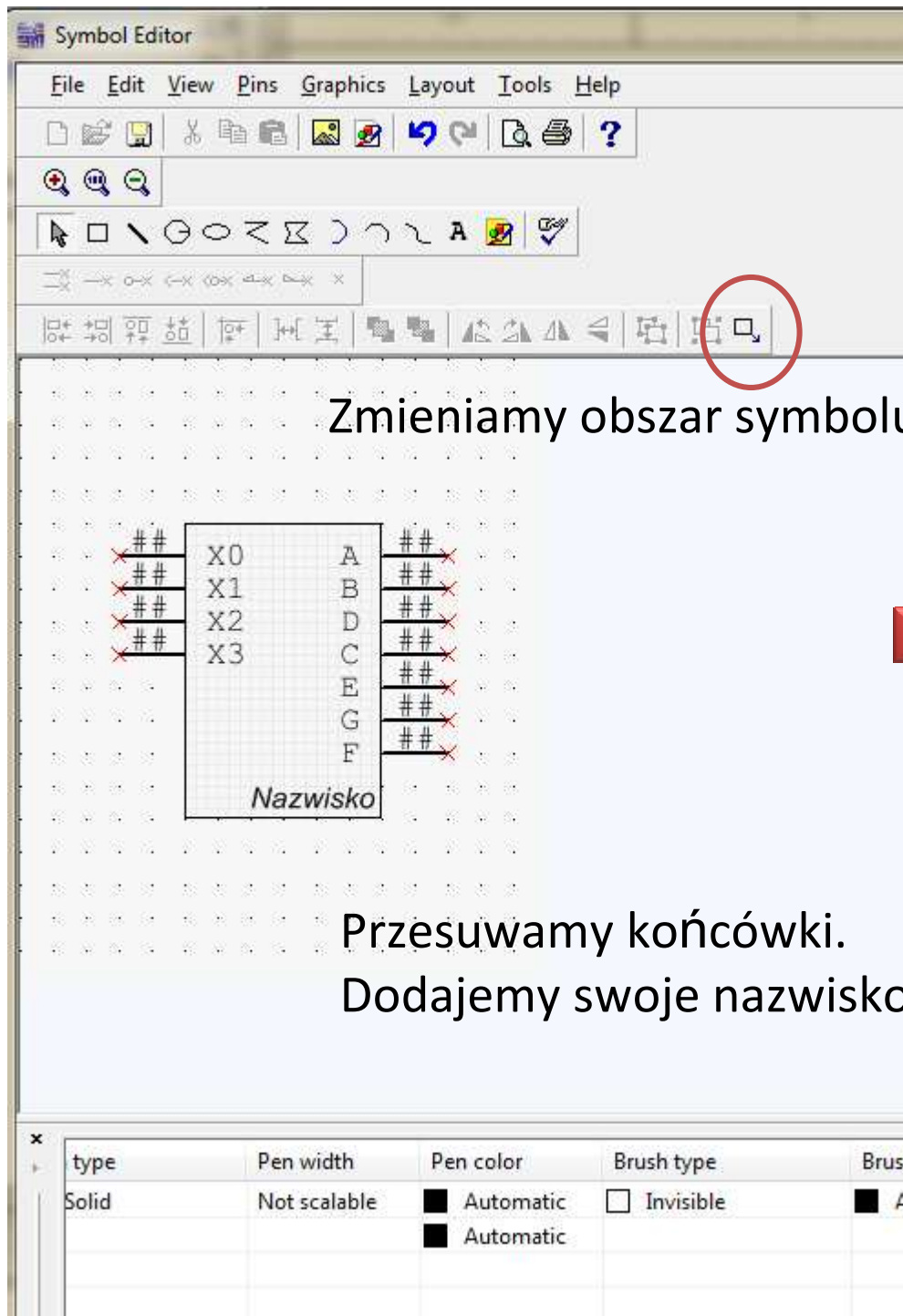
Uwaga! Aby stworzyć pin wyjściowy należy obrócić port (Ctrl+R) przed umieszczeniem go na schemacie.



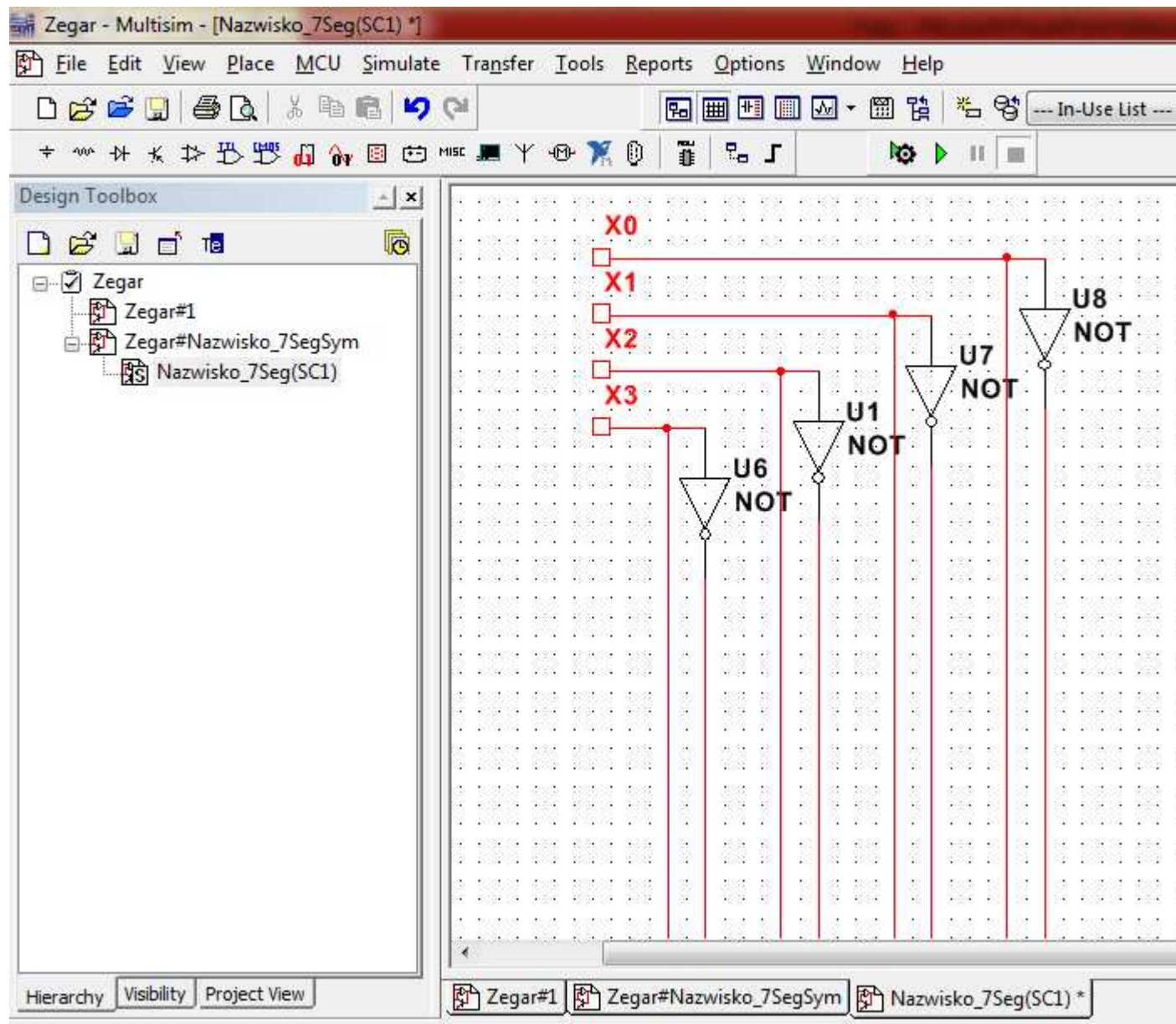
Wygląd symbolu (plik Nazwisko_7SegSym) po umieszczeniu wejść i wyjść.



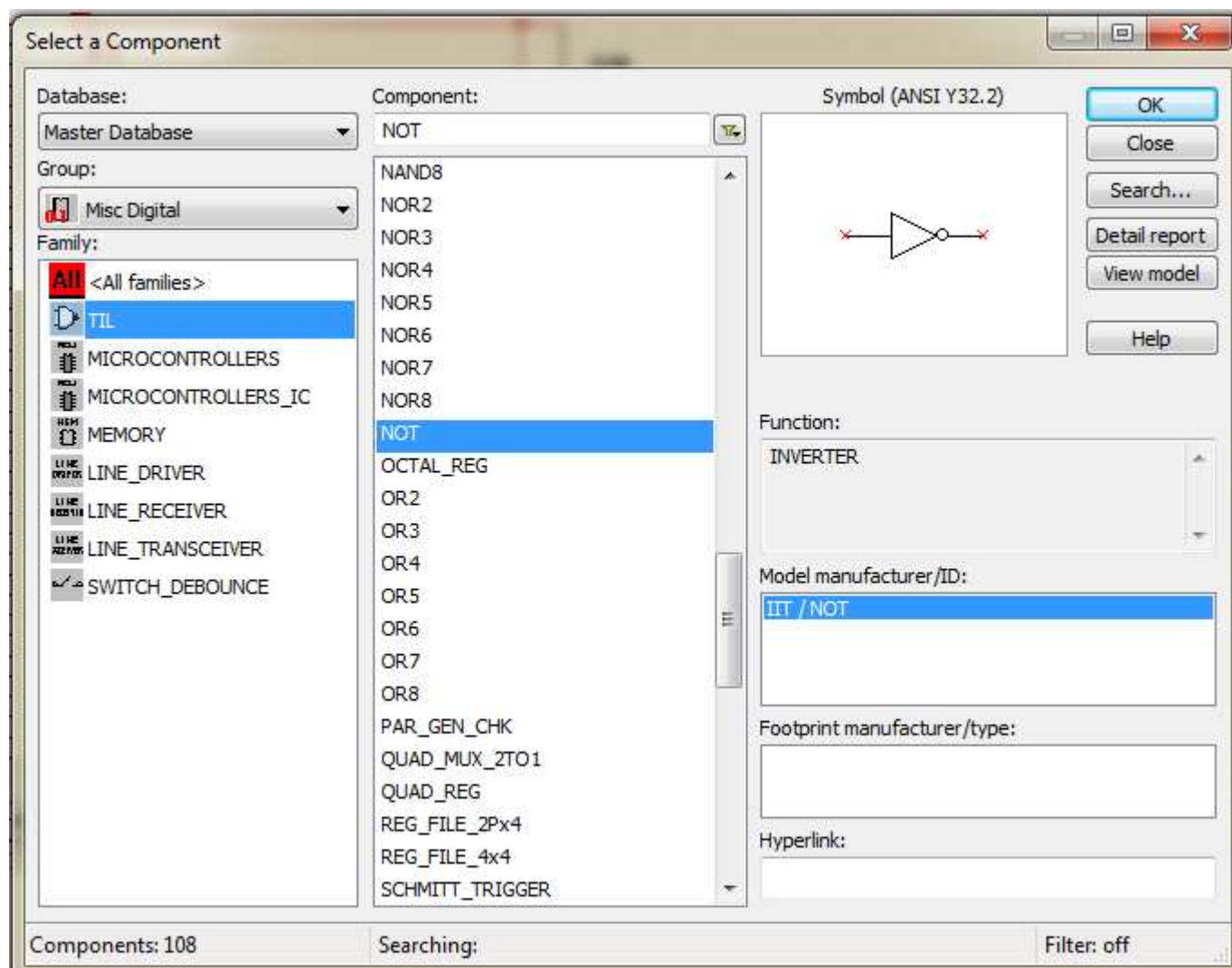
Modyfikacja
symbolu



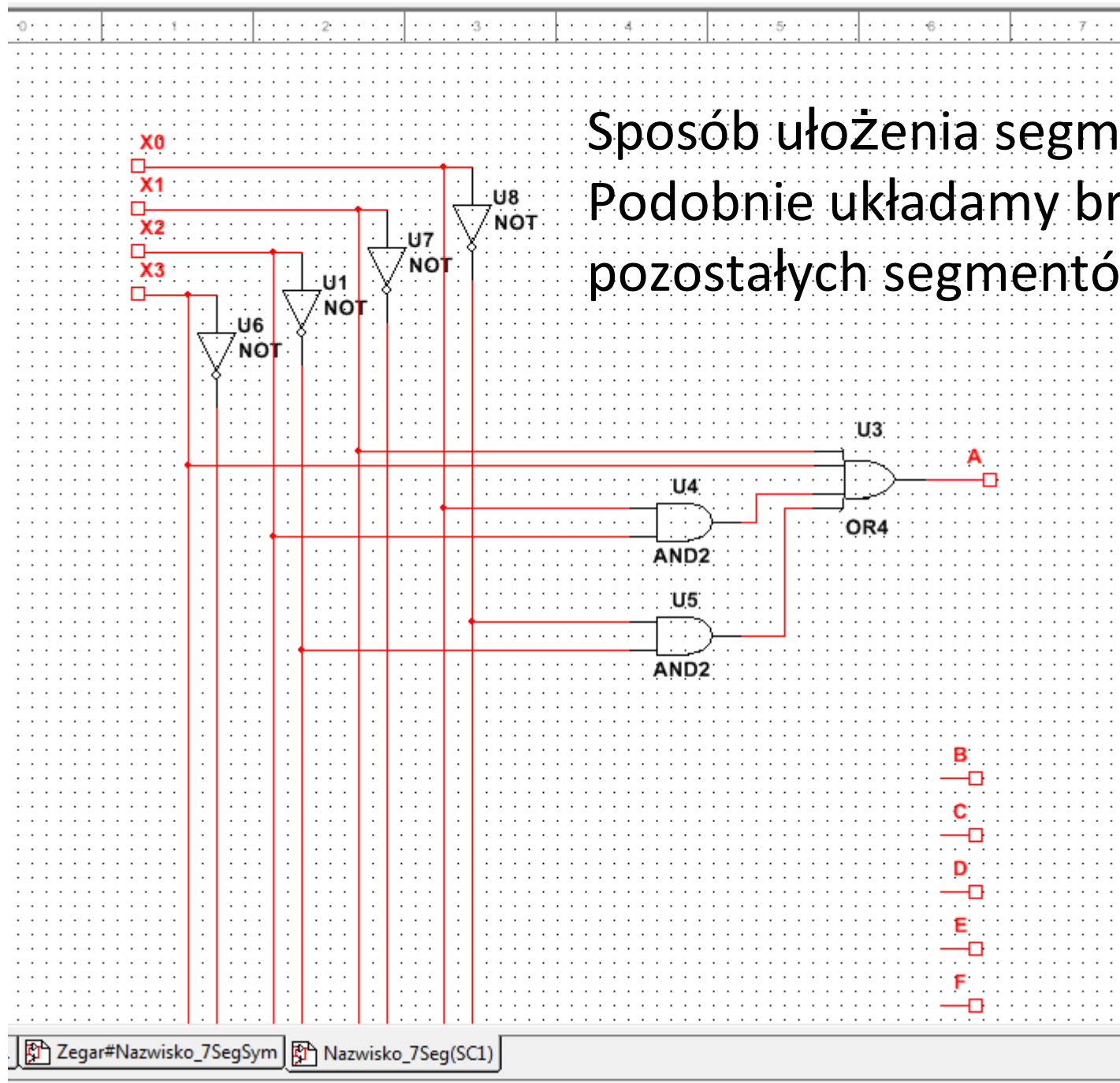
3. Tworzenie logiki dekodera 7-segmentowego



Przygotowanie magistrali dla sygnałów wejściowych

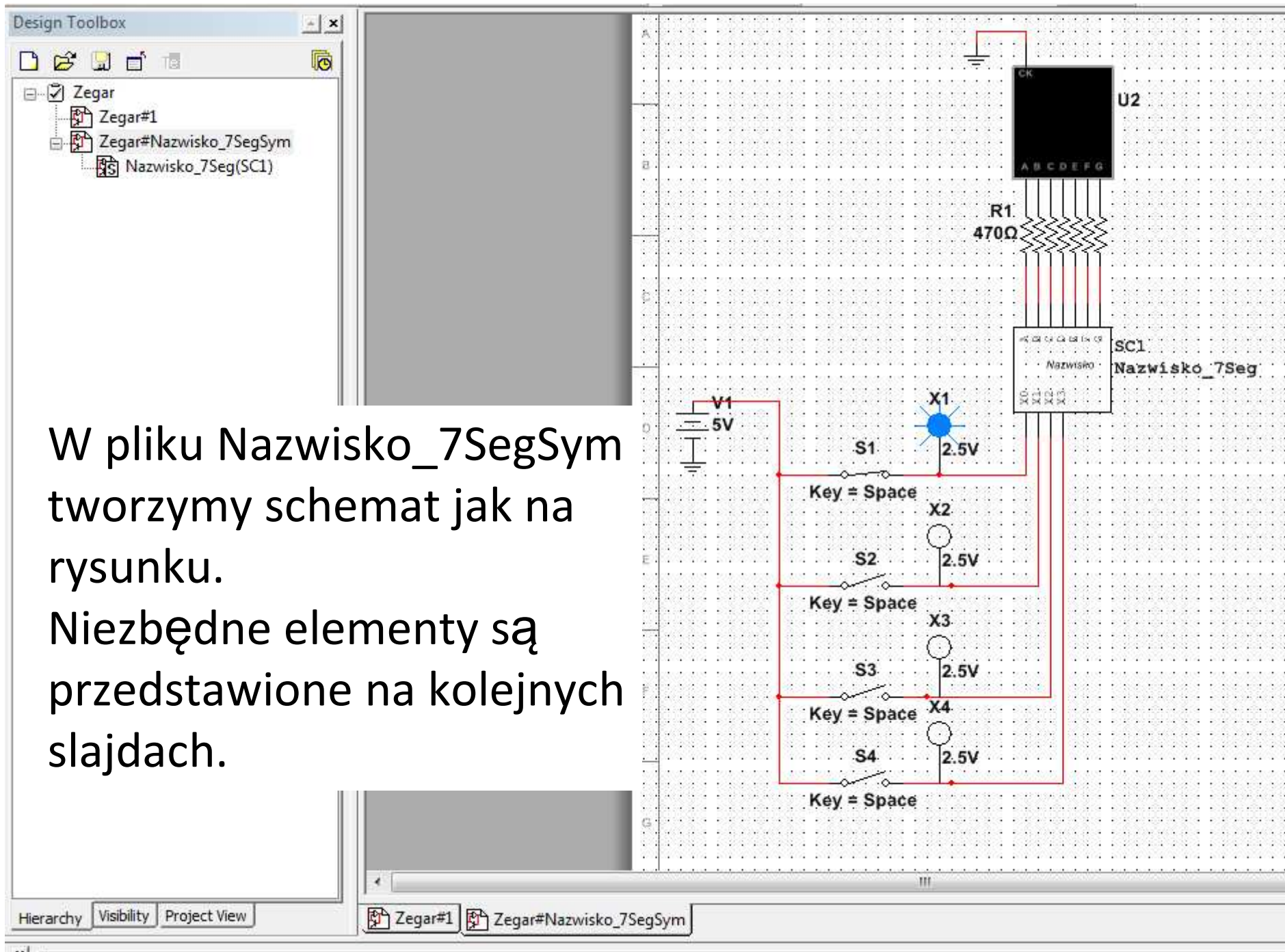


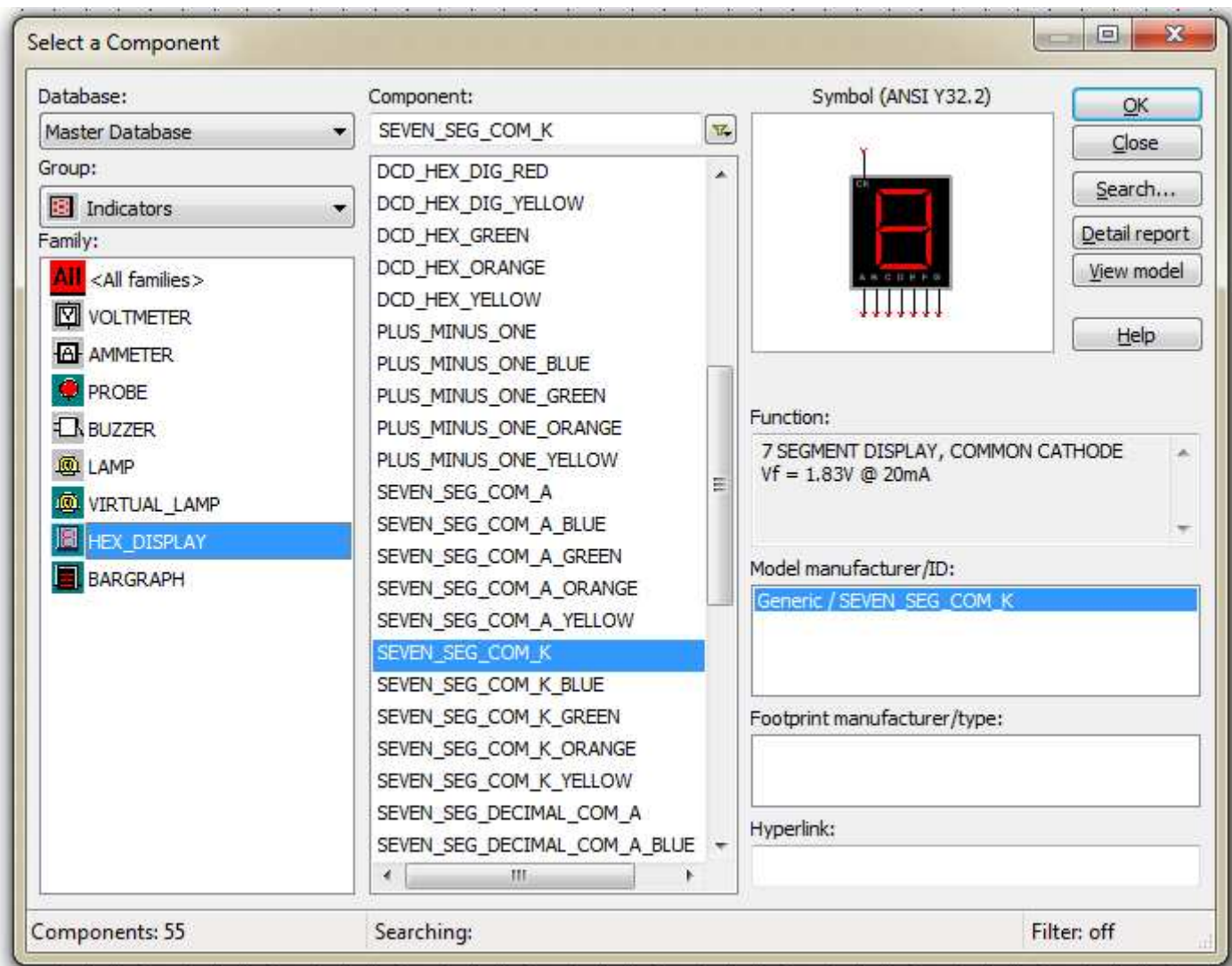
Biblioteka elementów cyfrowych



Sposób ułożenia segmentu A
Podobnie układamy bramki dla
pozostałych segmentów.

4. Tworzenie schematu do symulacji dekodera





Select a Component

Database:
Master Database

Group:
Electro_Mechanical

Family:

All <All families>
MACHINES
MOTION_CONTROLLERS
SENSORS
MECHANICAL_LOADS
TIMED_CONTACTS
COILS_RELAYS
SUPPLEMENTARY_SWITCHES
PROTECTION_DEVICES

Component:
SPST_NO_SB

FLOW_NC
FLOW_NO
FOOT_NC
FOOT_NO
HELD_CLOSED_LIMIT
HELD_OPEN_LIMIT
ILLUMINATED_PB
LIMIT_NC
LIMIT_NO
MUSHROOM_HEAD
PB_DPST
PB_NC
PB_NO
SPEED_F
SPEED_FR
SPST_NC_DB
SPST_NC_SB
SPST_NO_DB
SPST_NO_SB
TEMP_NC
TEMP_NO
WOBBLE_STICK

Symbol (ANSI Y32.2)



Function:
SPST NO SINGLE BREAK

Model manufacturer/ID:
Generic / ILLUMINATED_PB

Footprint manufacturer/type:

Hyperlink:

OK
Close
Search...
Detail report
View model
Help

Components: 42

Searching:

Filter: off

Select a Component

Database:
Master Database

Group:
Indicators

Family:

All <All families>
VOLTMETER
AMMETER
PROBE
BUZZER
LAMP
VIRTUAL_LAMP
HEX_DISPLAY
BARGRAPH

Component:
PROBE_BLUE

PROBE

PROBE_BLUE

PROBE_DIG

PROBE_DIG_BLUE

PROBE_DIG_GREEN

PROBE_DIG_ORANGE

PROBE_DIG_RED

PROBE_DIG_YELLOW

PROBE_GREEN

PROBE_ORANGE

PROBE_RED

PROBE_YELLOW

Symbol (ANSI Y32.2)



Function:
Probe

Model manufacturer/ID:
IIT / PROBE

Footprint manufacturer/type:

Hyperlink:

OK

Close

Search...

Detail report

View model

Help

Components: 12

Searching:

Filter: off

5. Sprawdzamy działanie dekodera