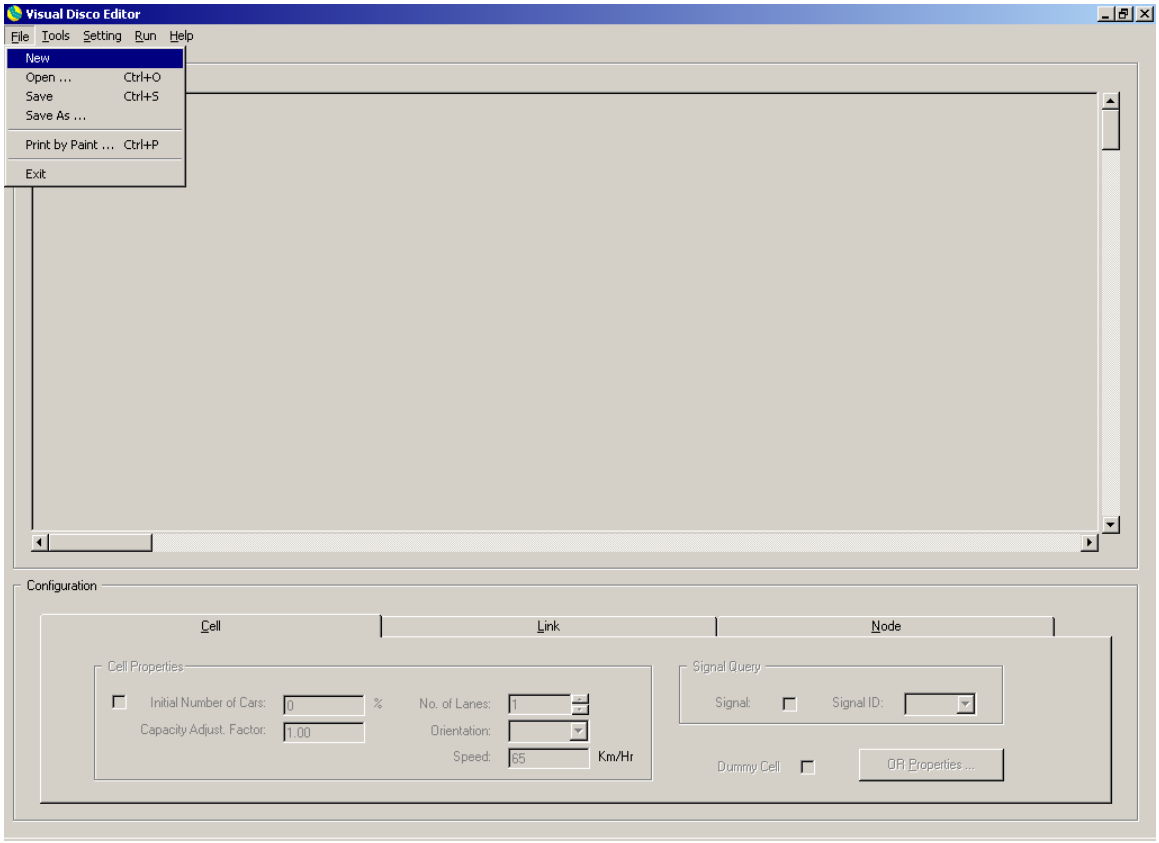
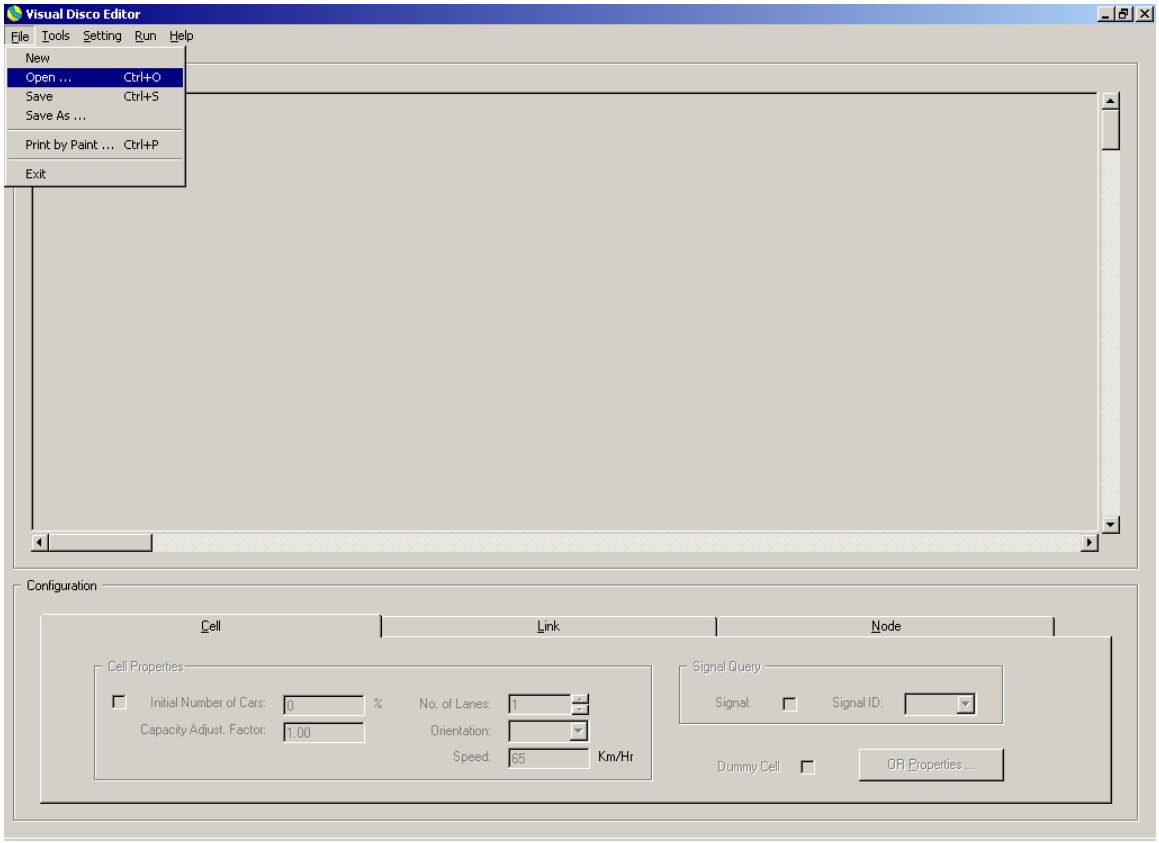
File → New

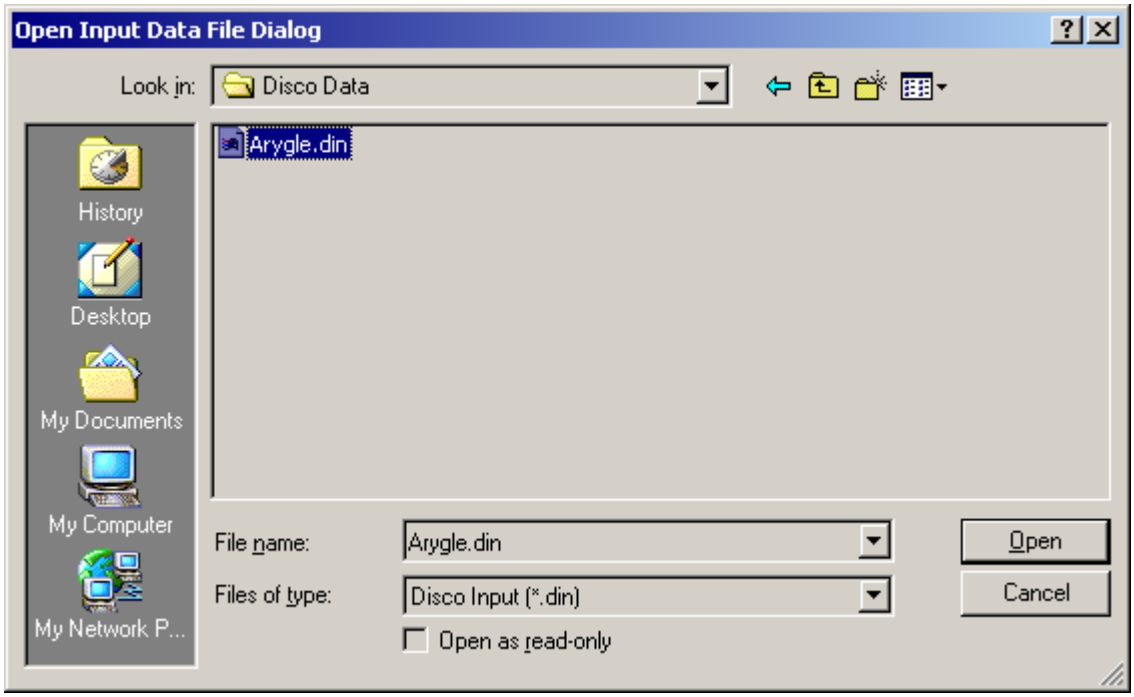
Create a new map.

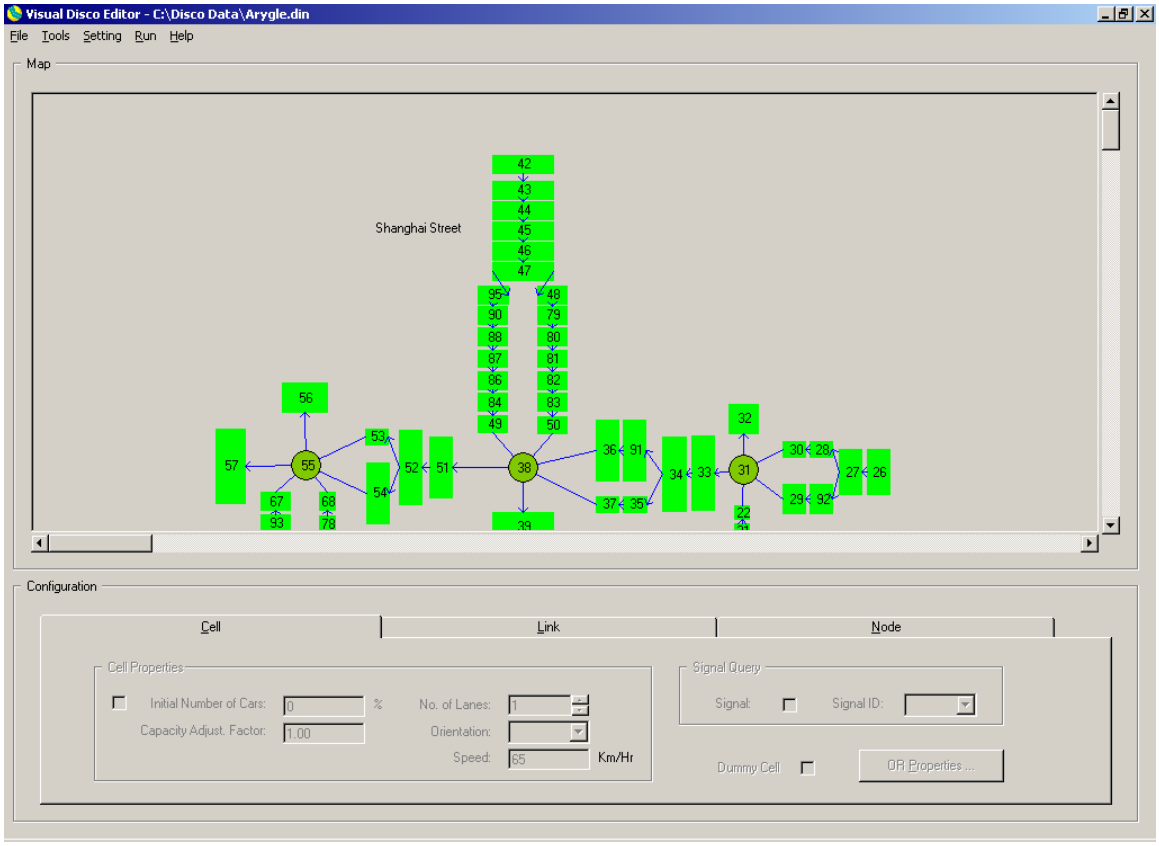


File → Open

Open an Existing map (*.din files).

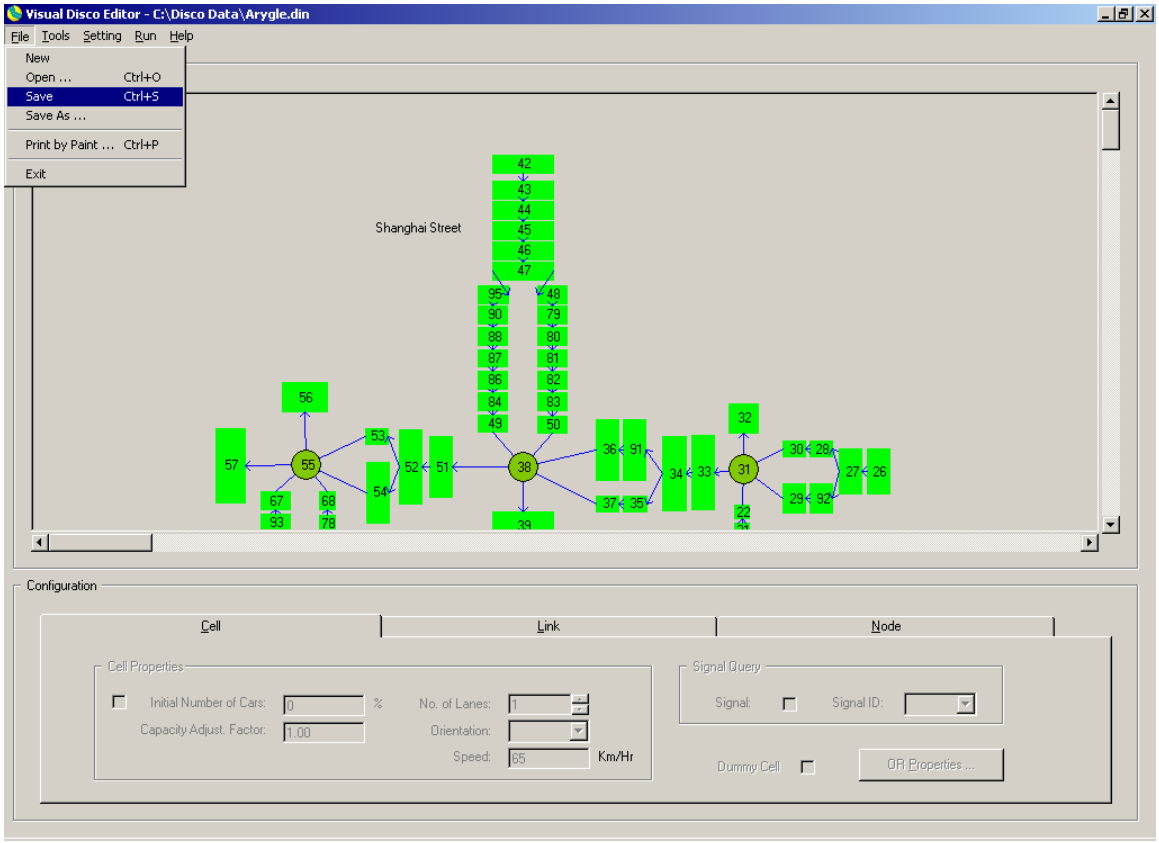





Visual Disco Editor - C:\Disco Data\Arygle.din
File Tools Setting Run Help
Map
Shanghai Street
42
43
44
45
46
47
95
90
88
87
86
84
49
48
79
80
81
82
83
50
56
57
55
53
54
52
51
38
36
91
37
35
34
33
32
31
22
30
28
29
92
27
26
67
93
68
78
39
Configuration
Cell
Link
Node
Cell Properties
Initial Number of Cars:
0
%
Capacity Adjust. Factor:
1.00
No. of Lanes:
1
Orientation:
Speed:
65
Km/Hr
Signal Query
Signal:
Signal ID:
Dummy Cell
OR Properties ...

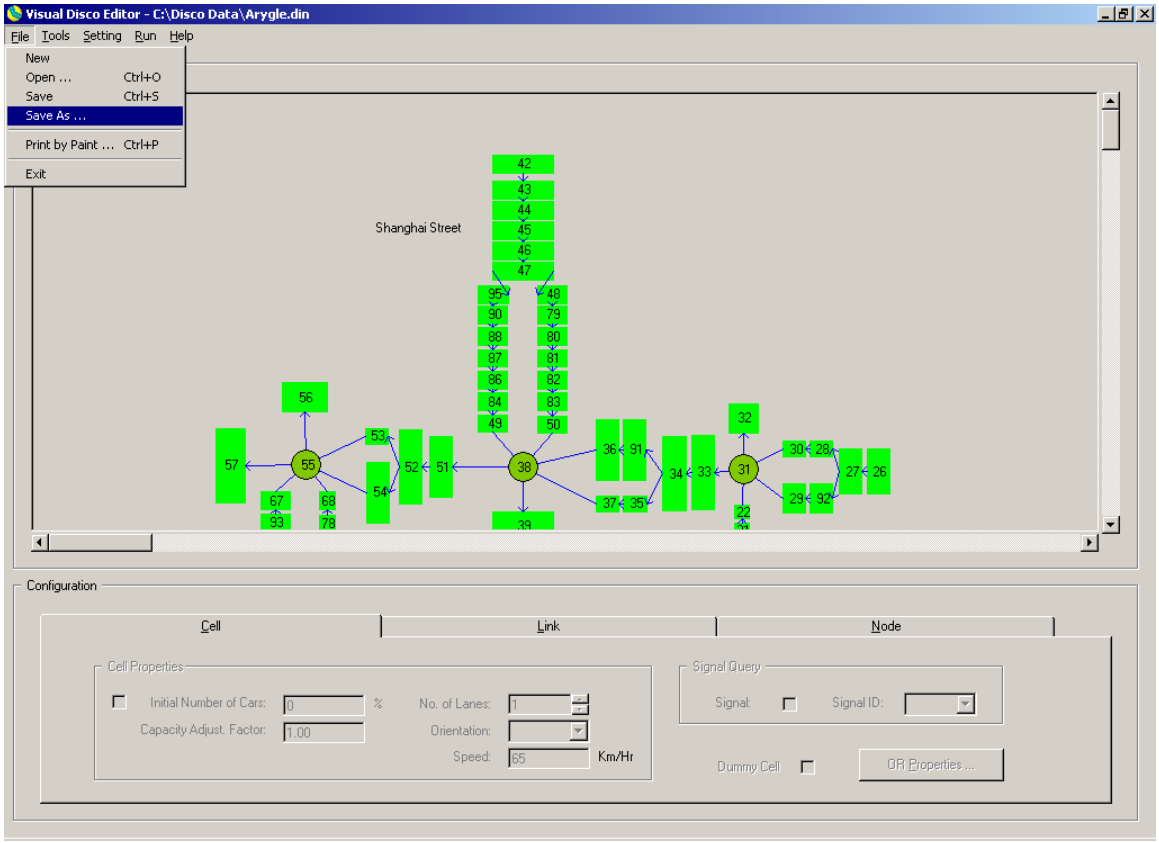
File → Save

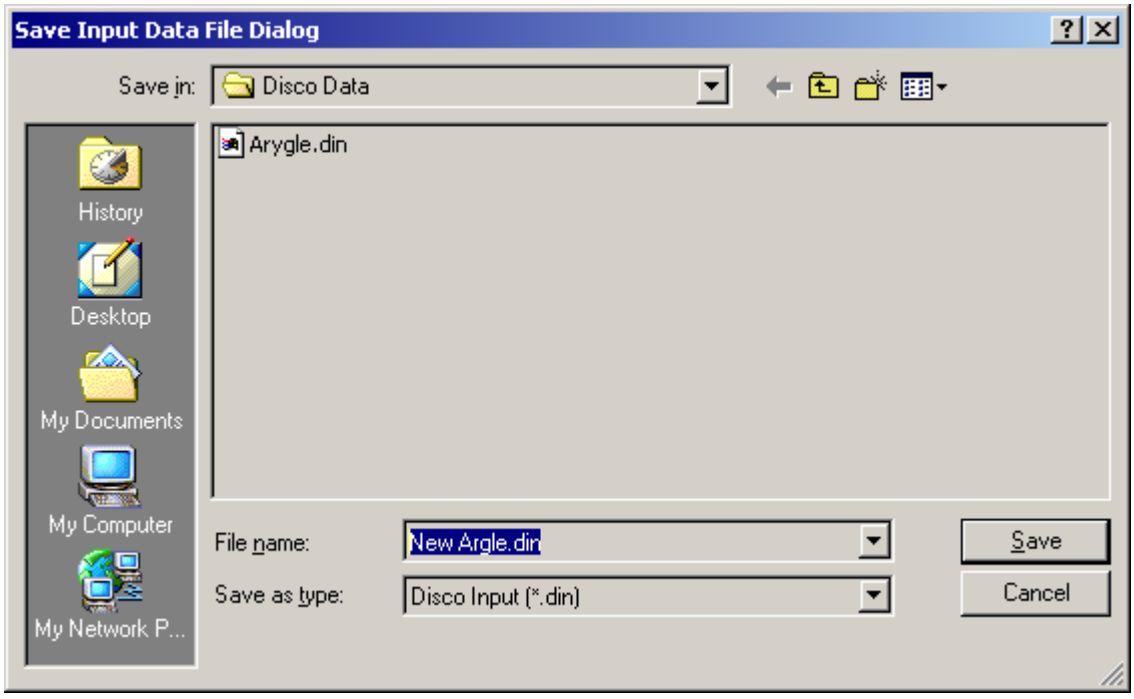
Save the current map with the same name.



File → Save As …

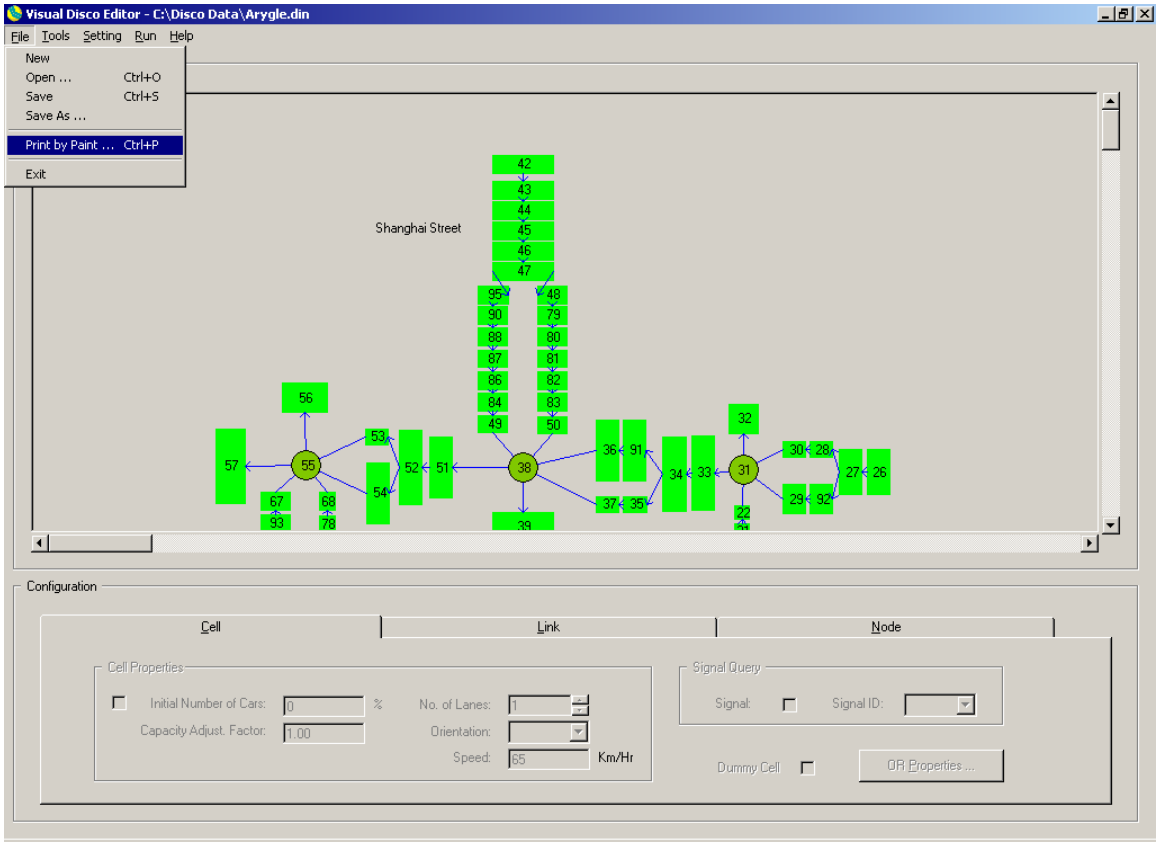
Save the current map with a different name.

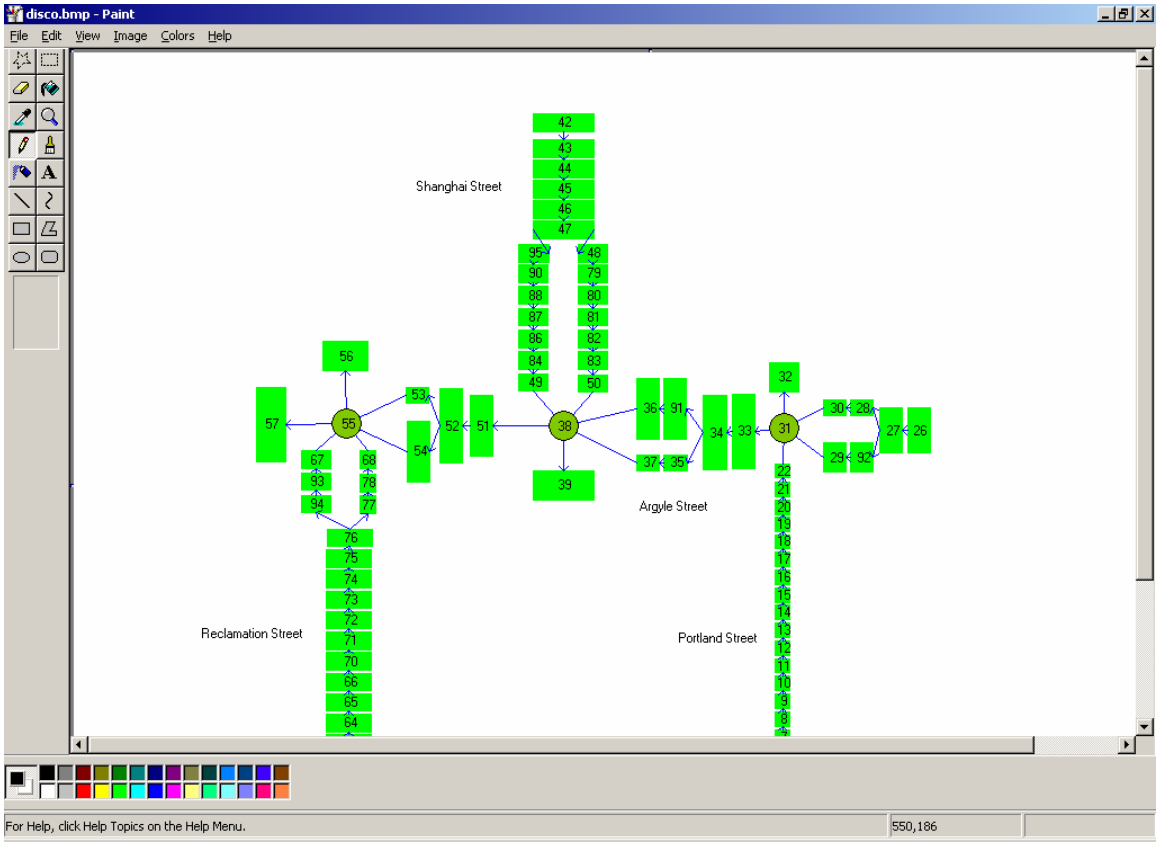




File → Print

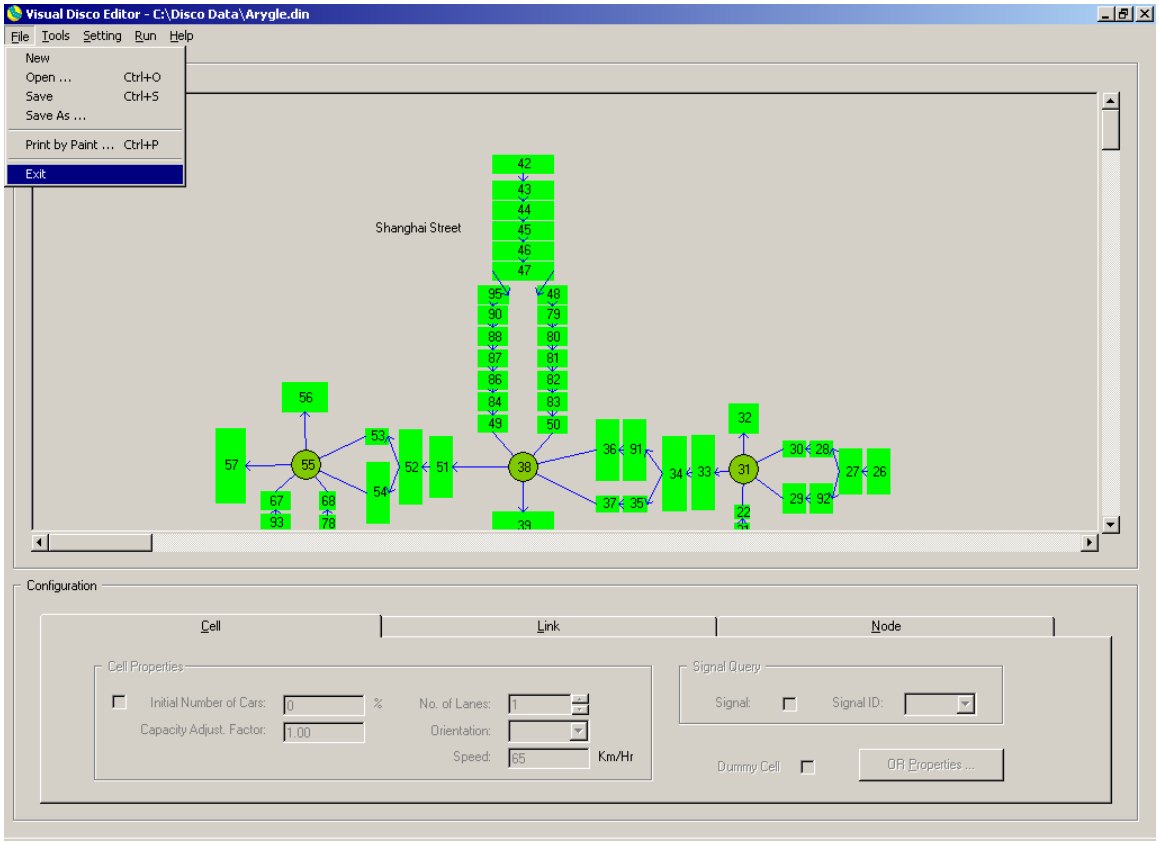
Print the current map with Microsoft Paint. Note that "Paint" program in Windows MUST be installed from the Accessory category.




disco.bmp - Paint
File Edit View Image Colors Help
Shanghai Street
Argyle Street
Reclamation Street
Portland Street
For Help, click Help Topics on the Help Menu.
550,186

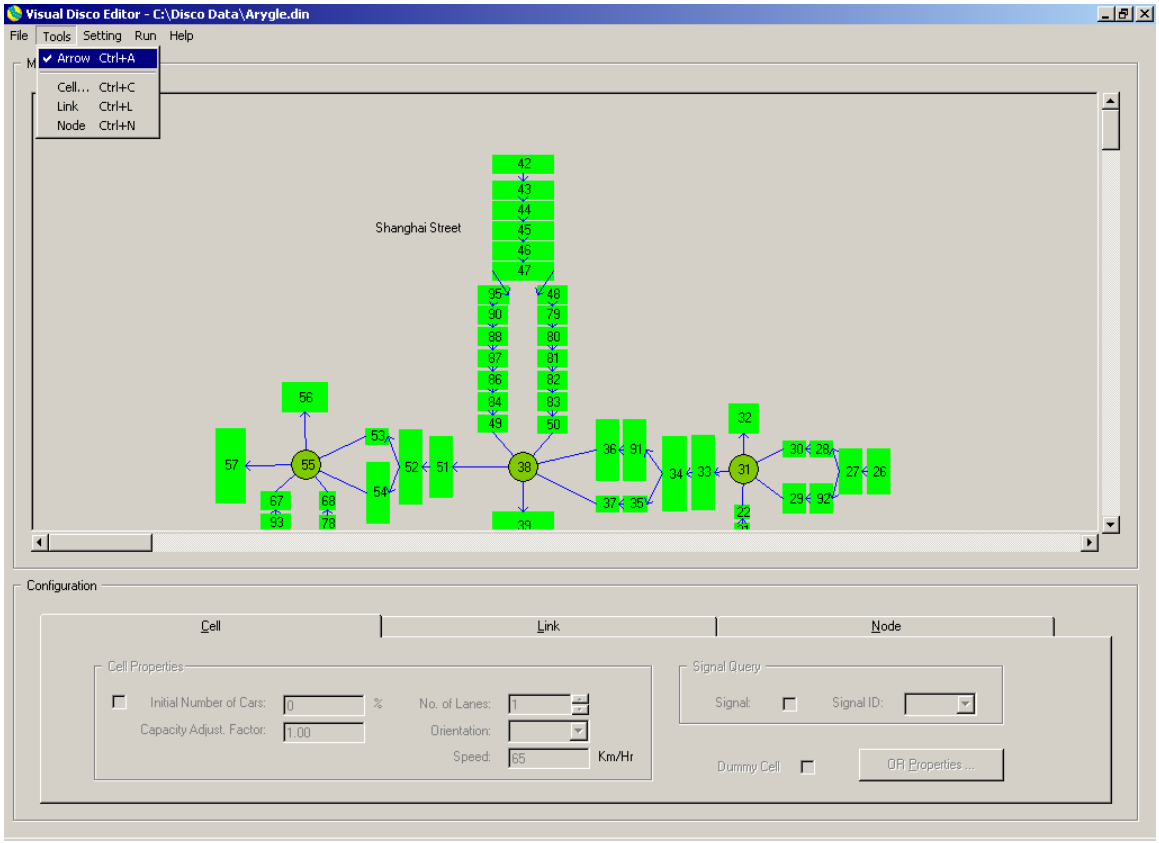
File → Exit

Close the EDITOR.

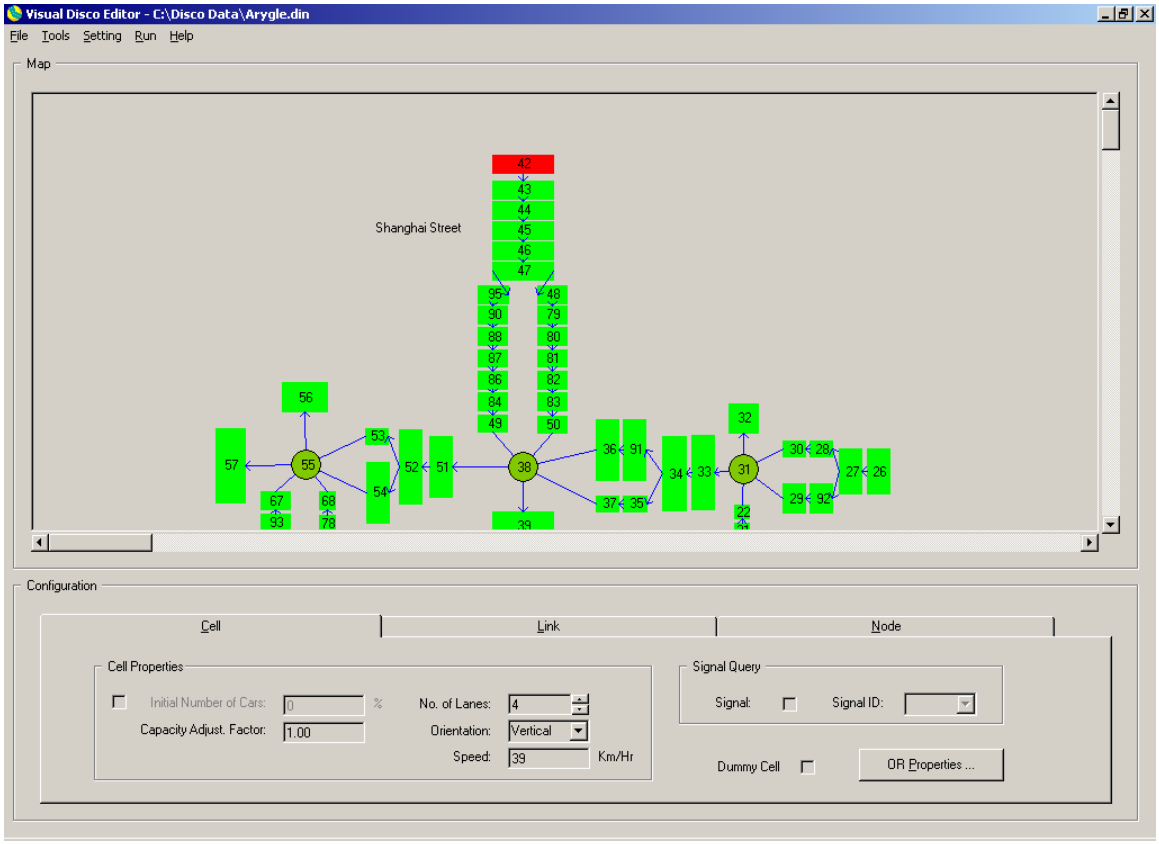


Tools → Arrow

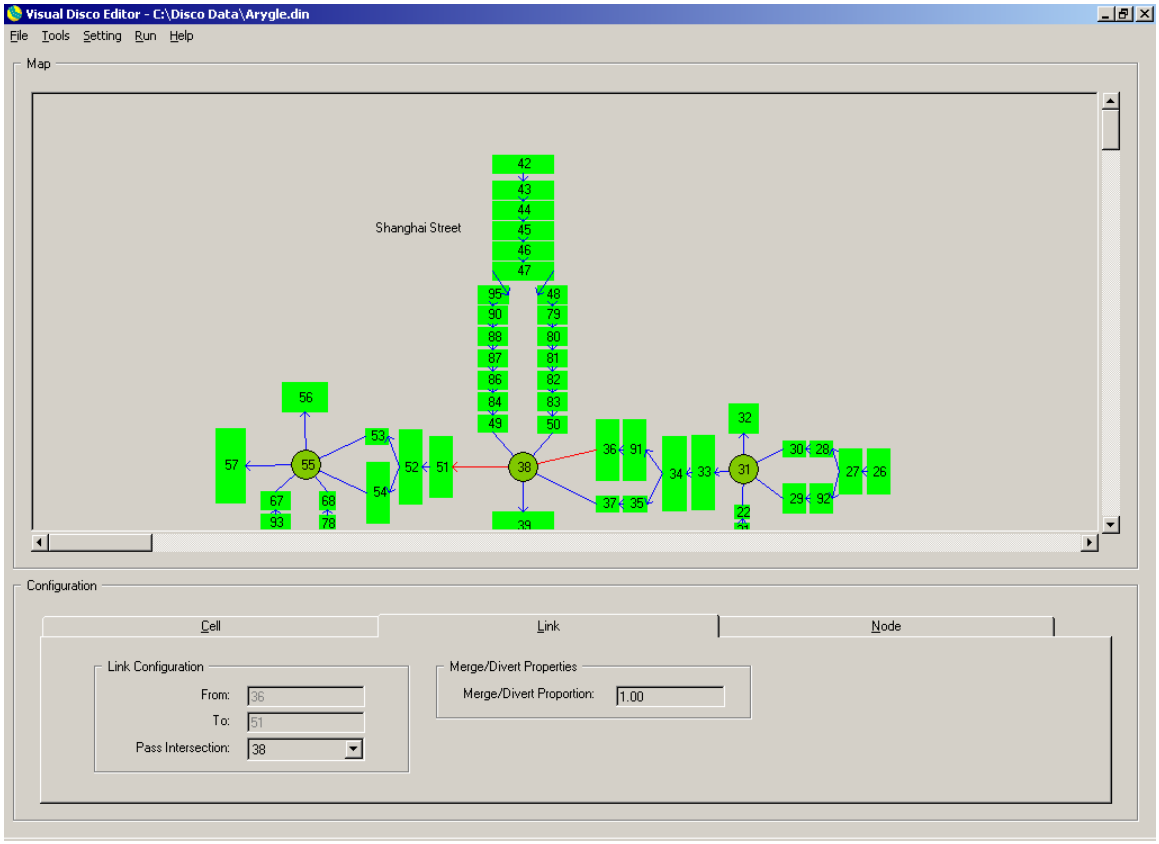
Elements (cells, links and nodes) can be selected in the map using “Arrow”.



Select a cell and edit its properties.



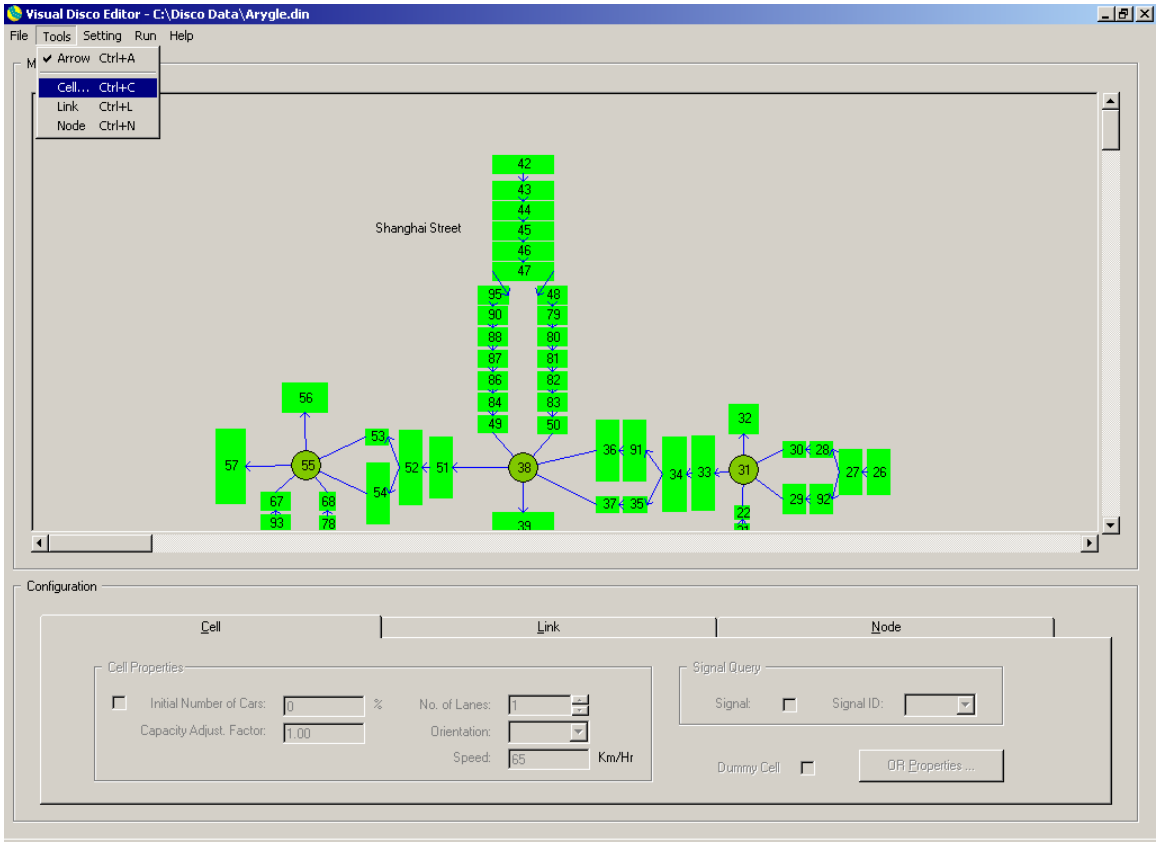
Select a link and edit its properties.

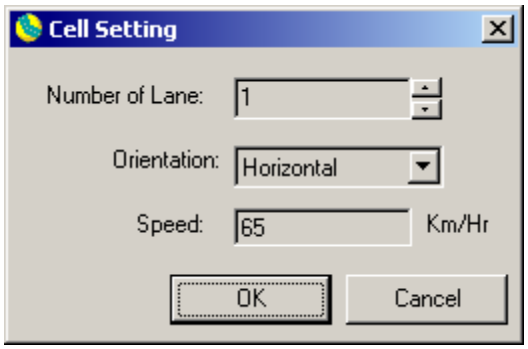


Select a node and edit its properties.

Tools → Cell …

New cells can be added to the map using "Cell". The added cells will have default settings as shown in the "Cell Setting" dialog box.





Tools → Link

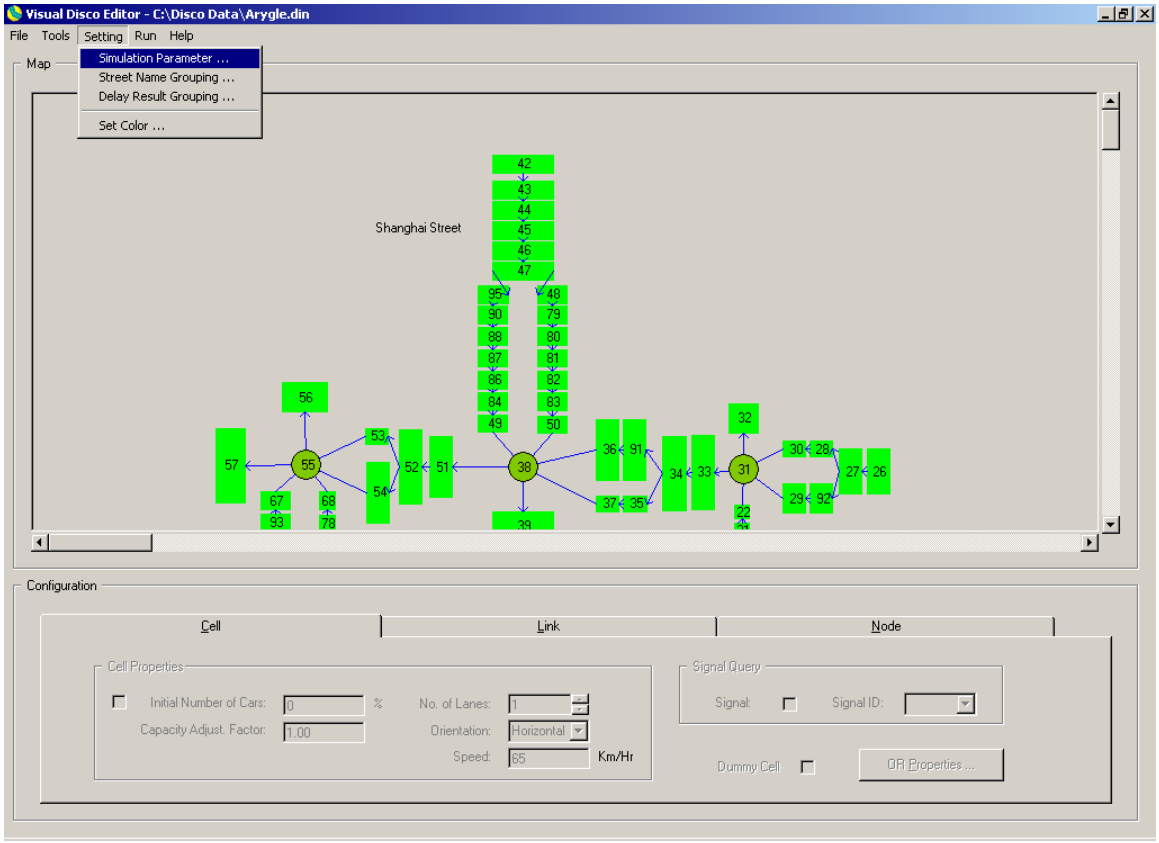
New links can be added to the map using “Link” by selecting the link’s origin cell and destination cell.

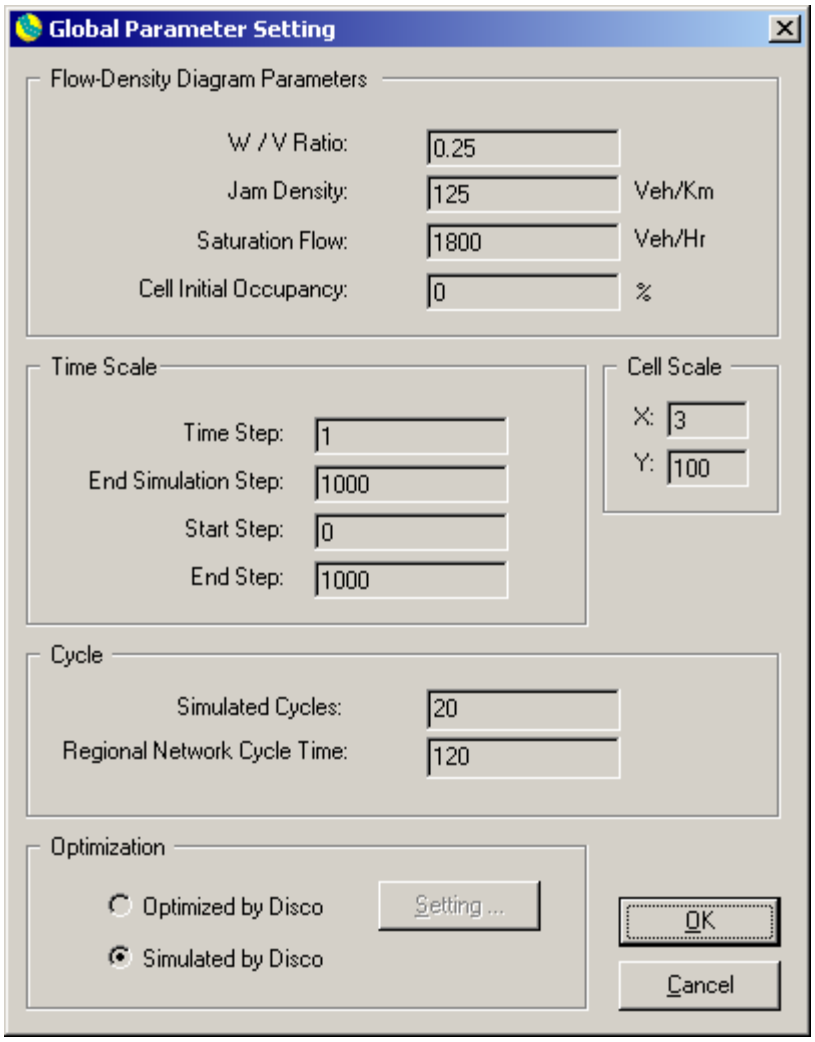
Tools → Node

New nodes (intersections) can be added to the map using “Node”. Timing plan can be implemented for signalized nodes.

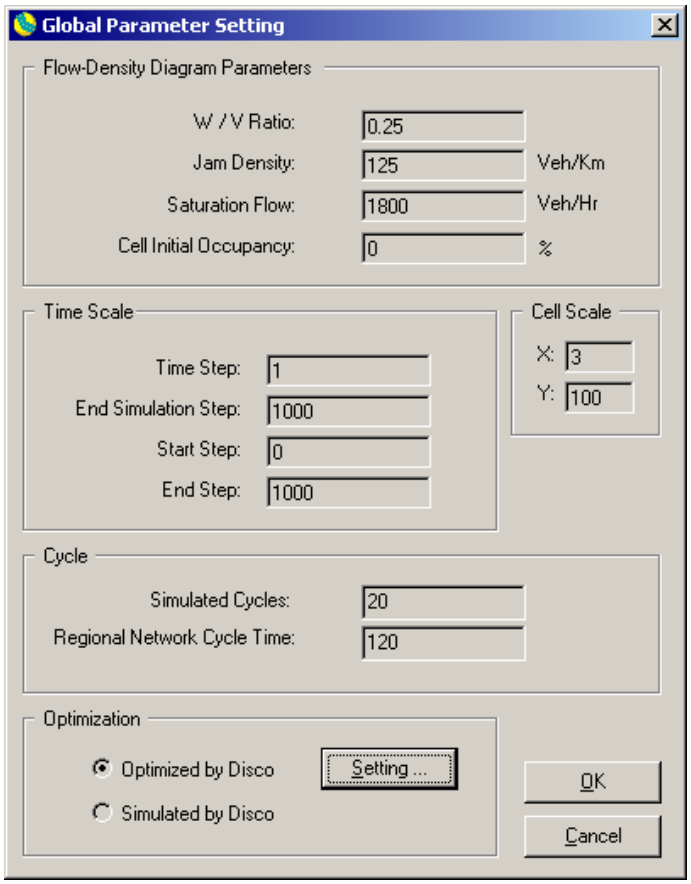
Settings → Global Parameter Setting

It sets the global parameter.

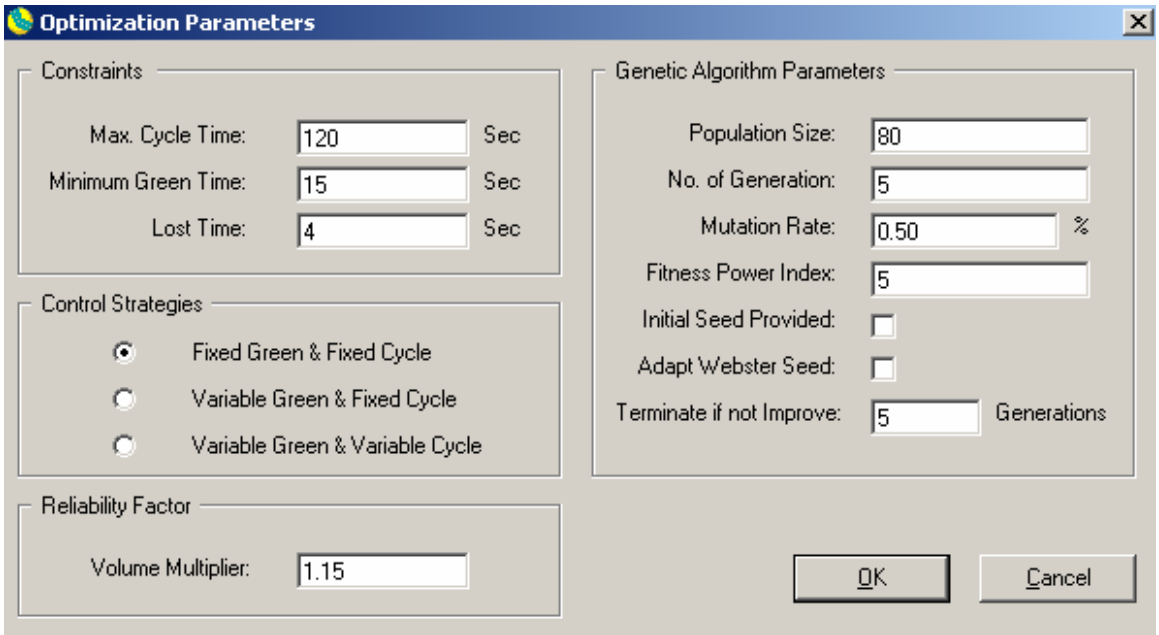



Global Parameter Setting
Flow-Density Diagram Parameters
W / V Ratio:
0.25
Jam Density:
125
Veh/Km
Saturation Flow:
1800
Veh/Hr
Cell Initial Occupancy:
0
%
Time Scale
Time Step:
1
End Simulation Step:
1000
Start Step:
0
End Step:
1000
Cell Scale
X:
3
Y:
100
Cycle
Simulated Cycles:
20
Regional Network Cycle Time:
120
Optimization
Optimized by Disco
Setting ...
Simulated by Disco
OK
Cancel

If “Optimized by Disco” is selected under “Optimization” category, additional settings are need to be set for optimization.

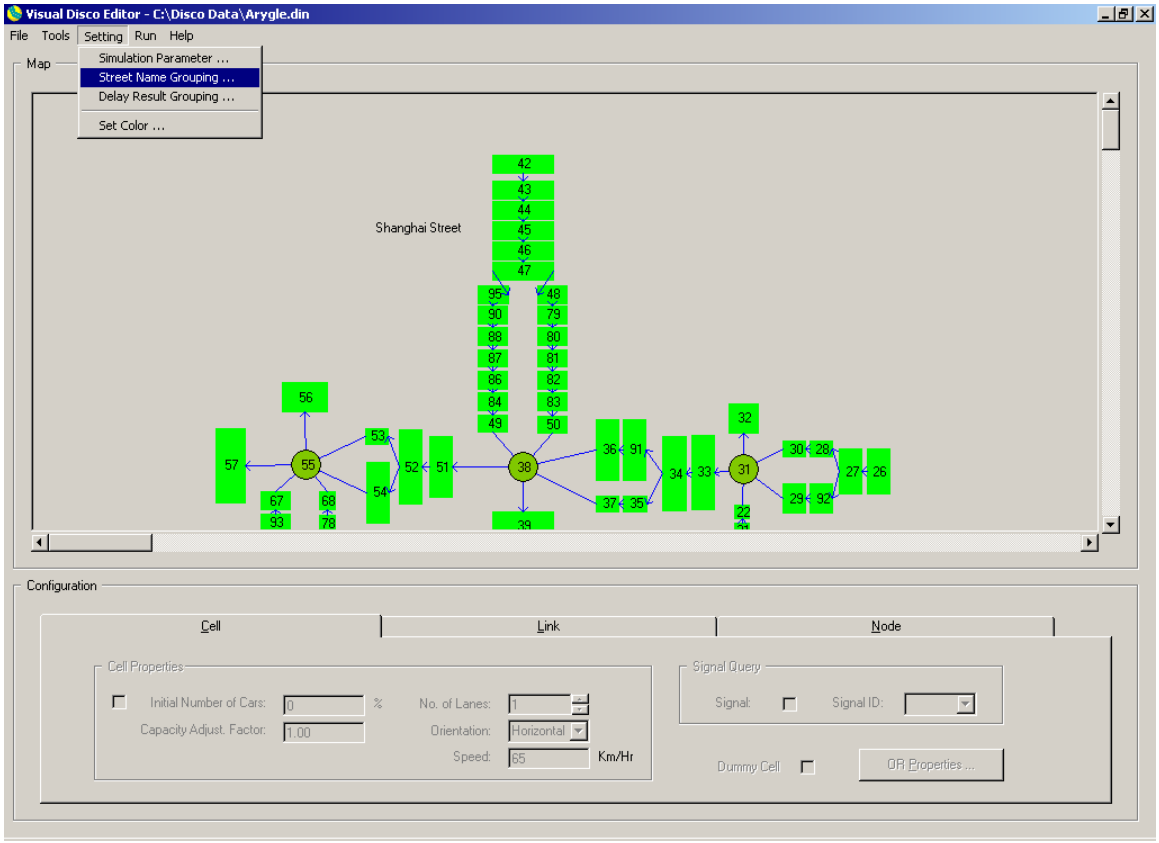


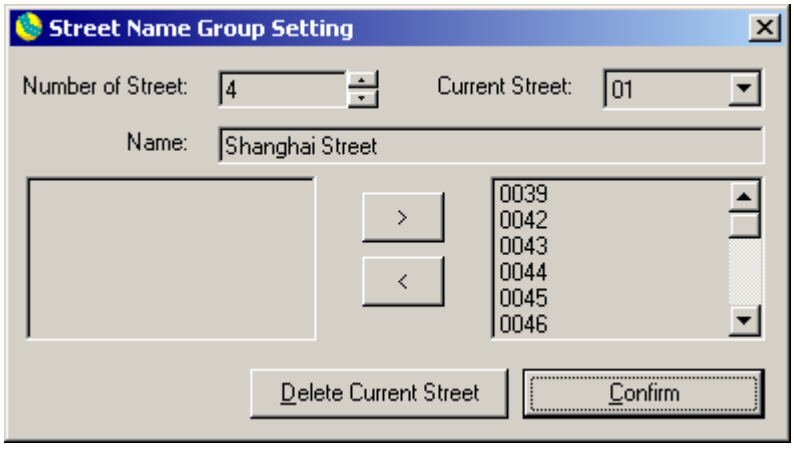
Parameters for optimization



Setting → Street Name Grouping

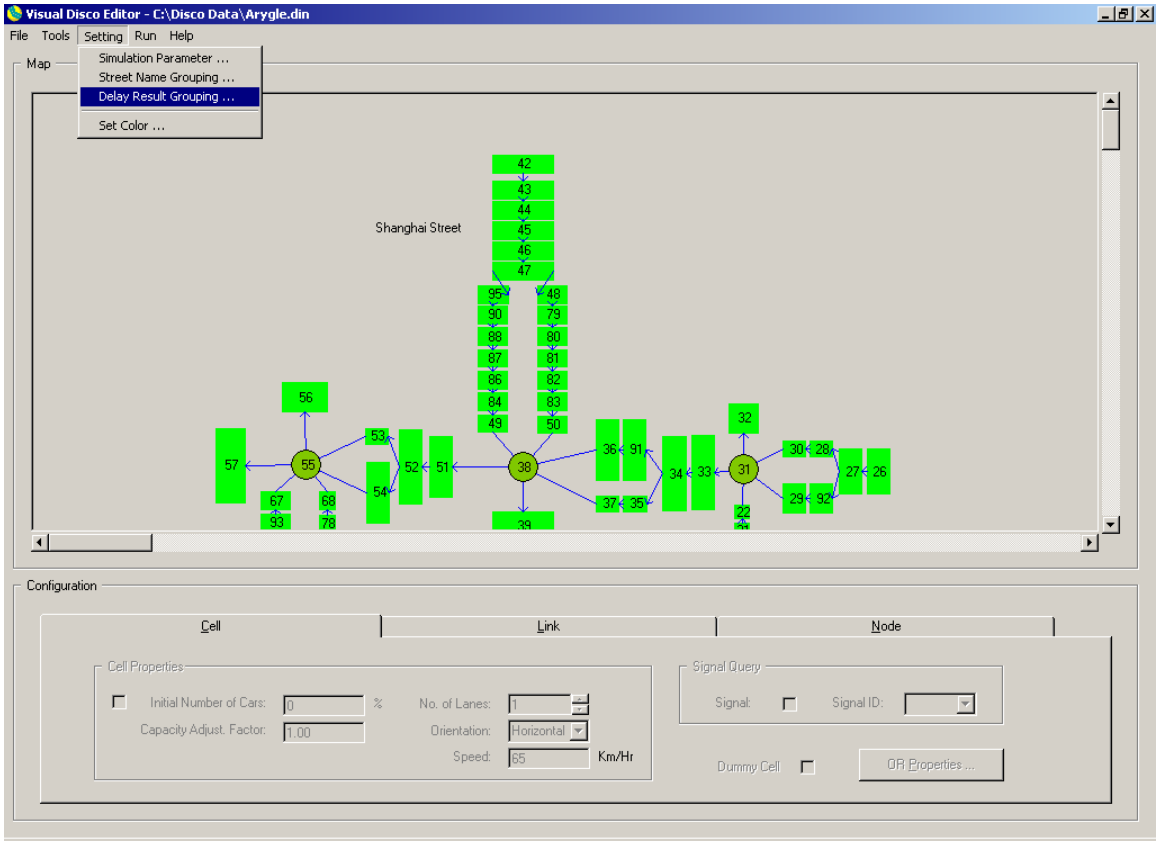
Cells can be grouped in “streets”.

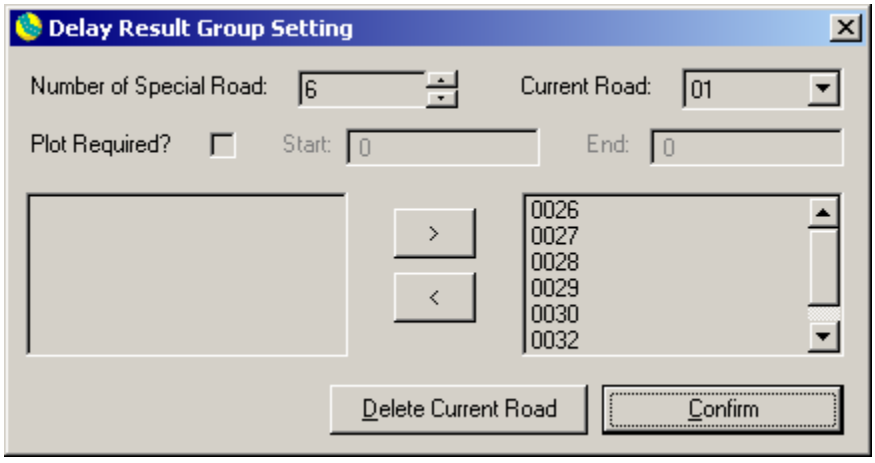




Setting → Delay Result Grouping

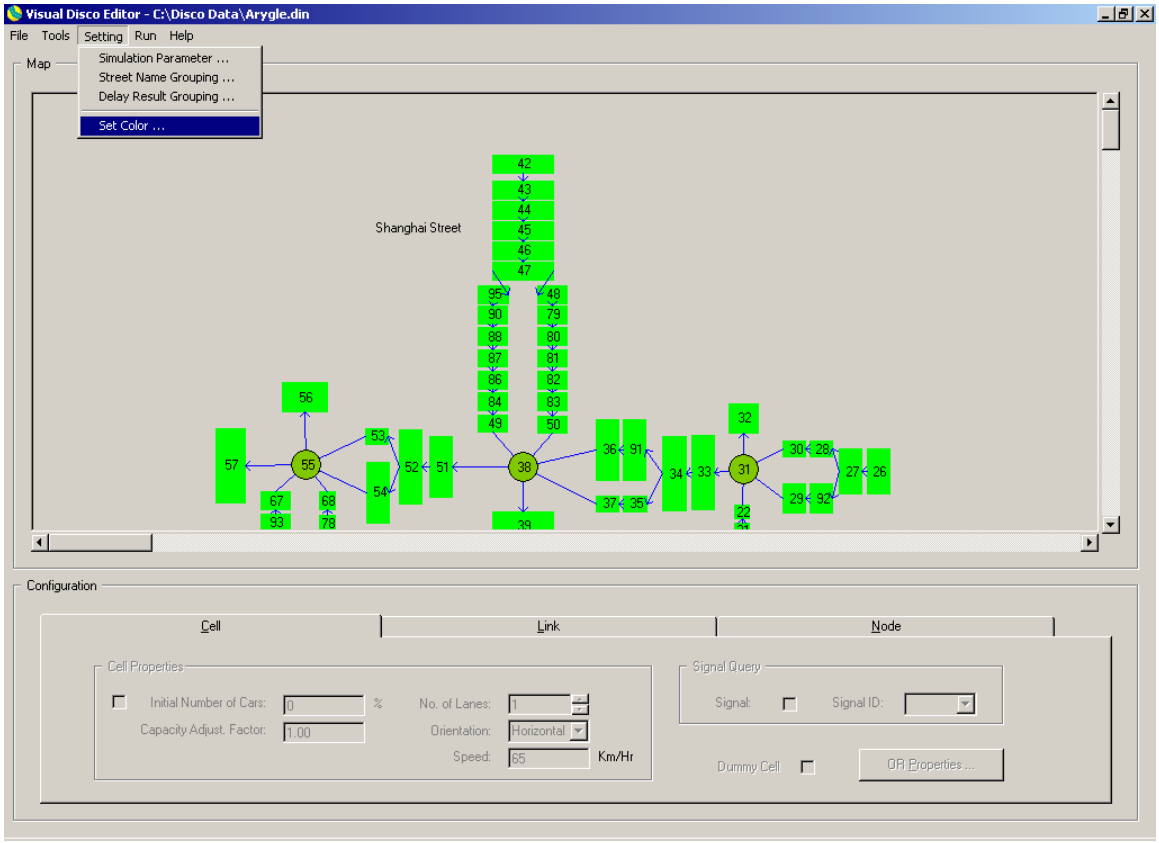
Cells can also be grouped for "Delay Result" analysis.

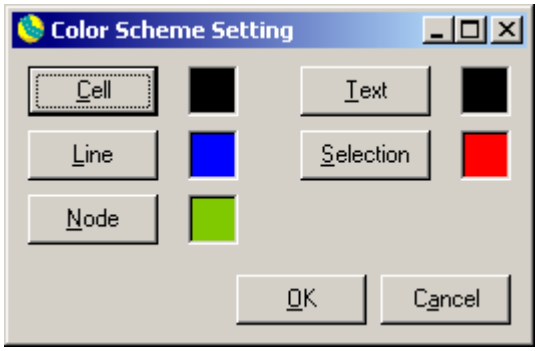


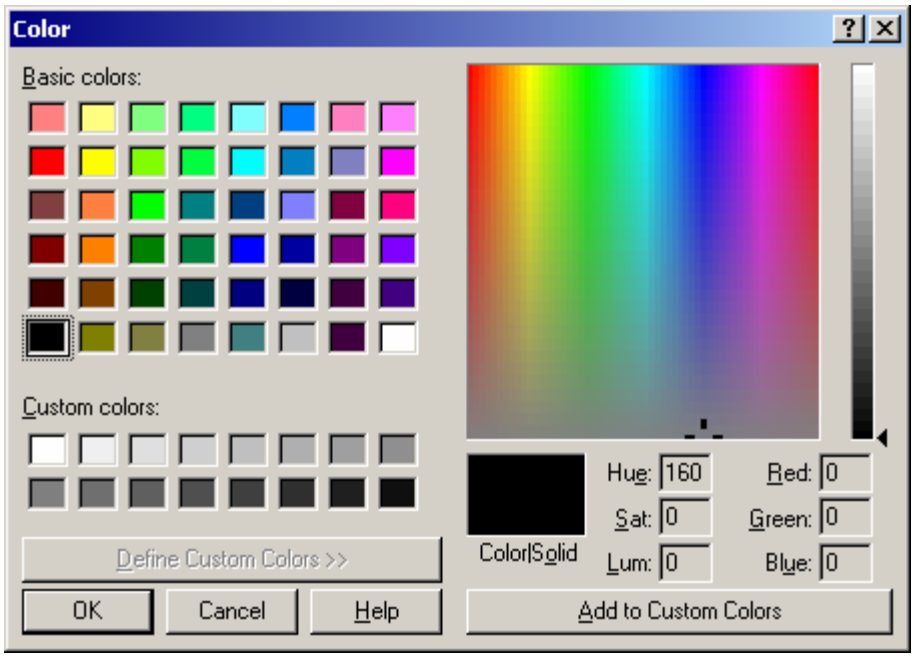


Setting → Set Color ...

You can set colors for your map's elements.

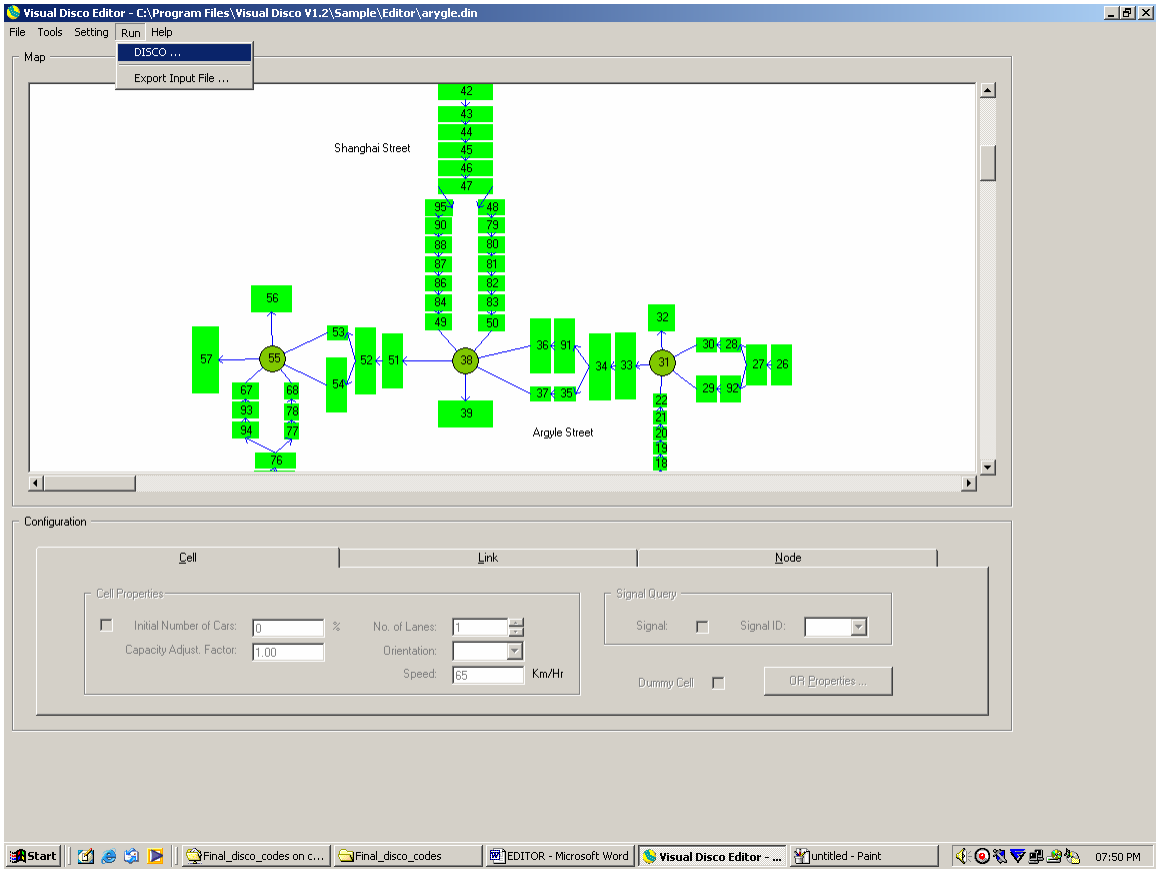




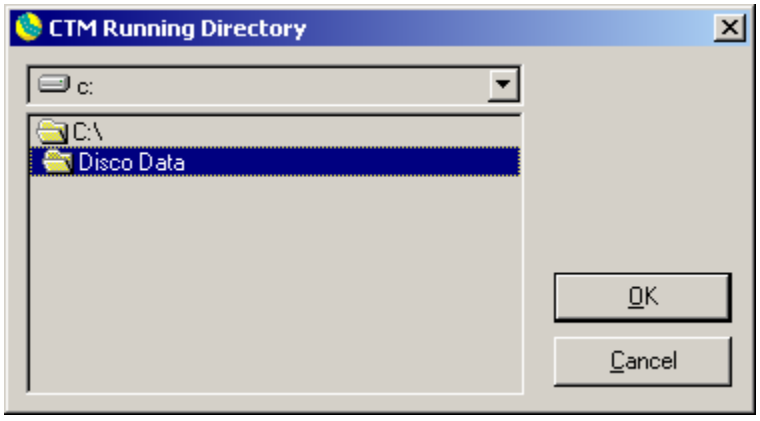

Color
Basic colors:
Custom colors:
Define Custom Colors >>
OK
Cancel
Help
Hue: 160
Sat: 0
Lum: 0
Red: 0
Green: 0
Blue: 0
Color|Solid
Add to Custom Colors

Run → CTM …

Run CTM (Disco) for both simulation and optimization.

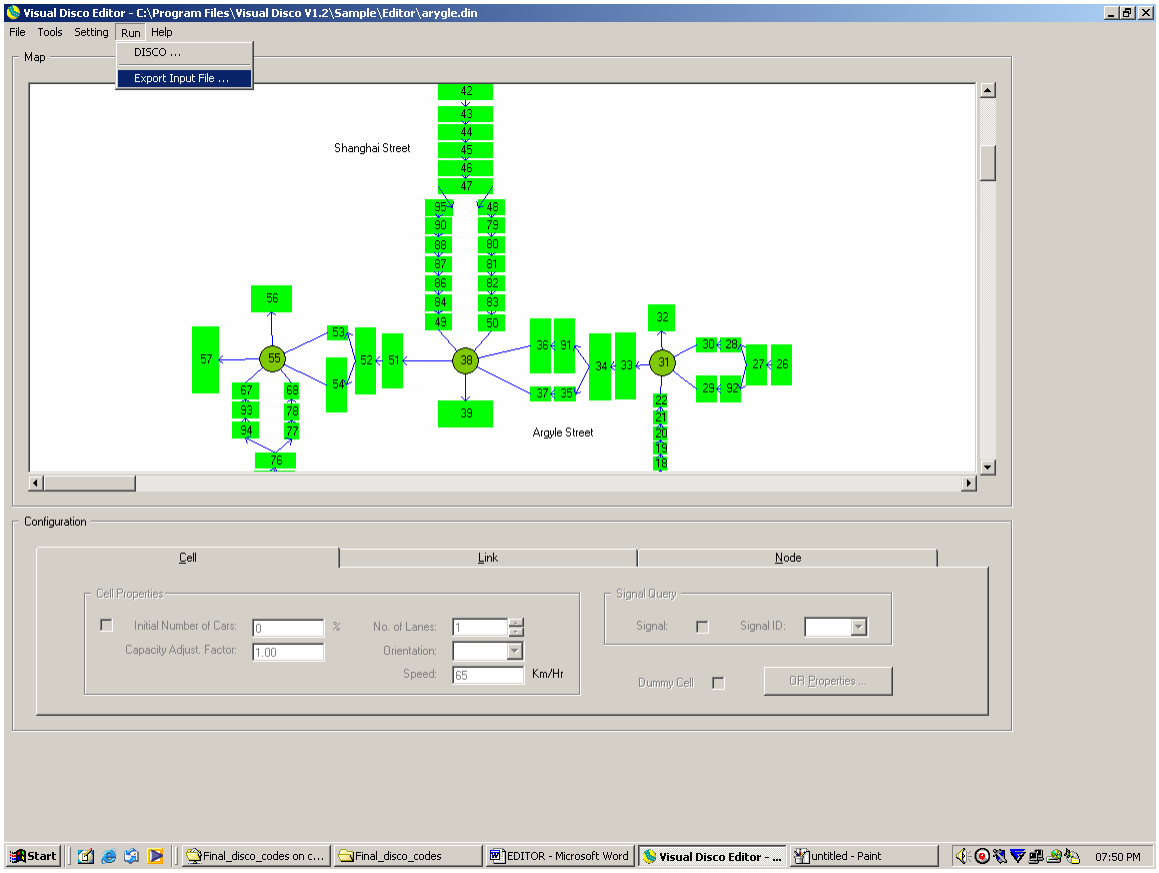


The input / output directory can be specified and the in / out files will be put here.

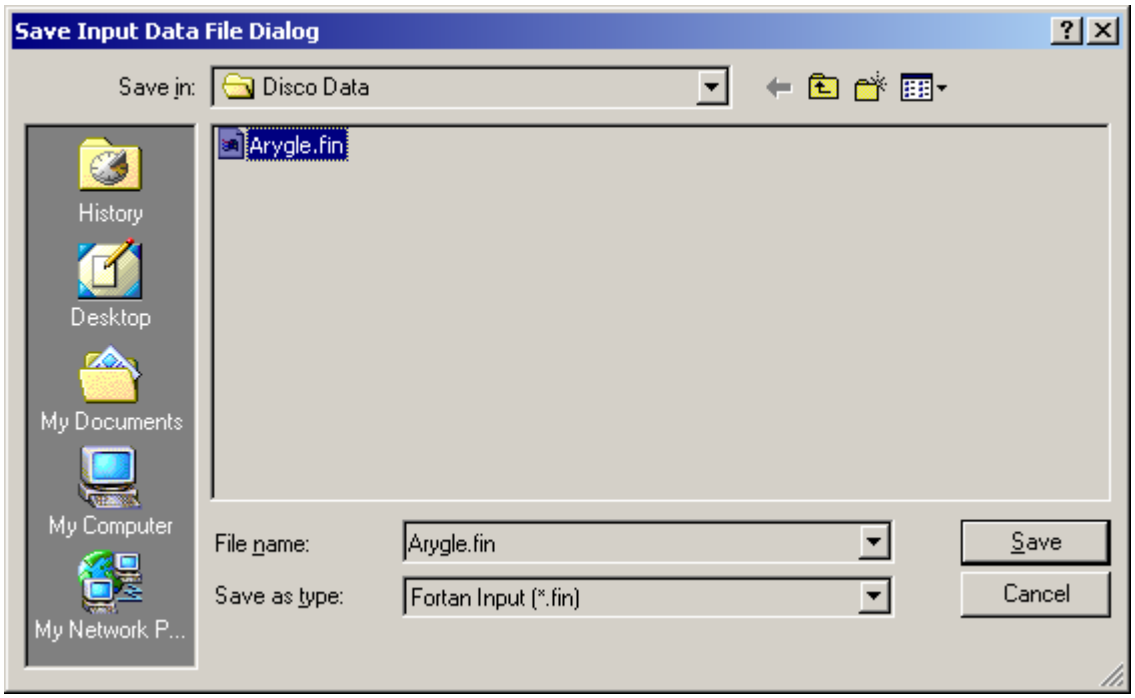


Run → Export Input File …

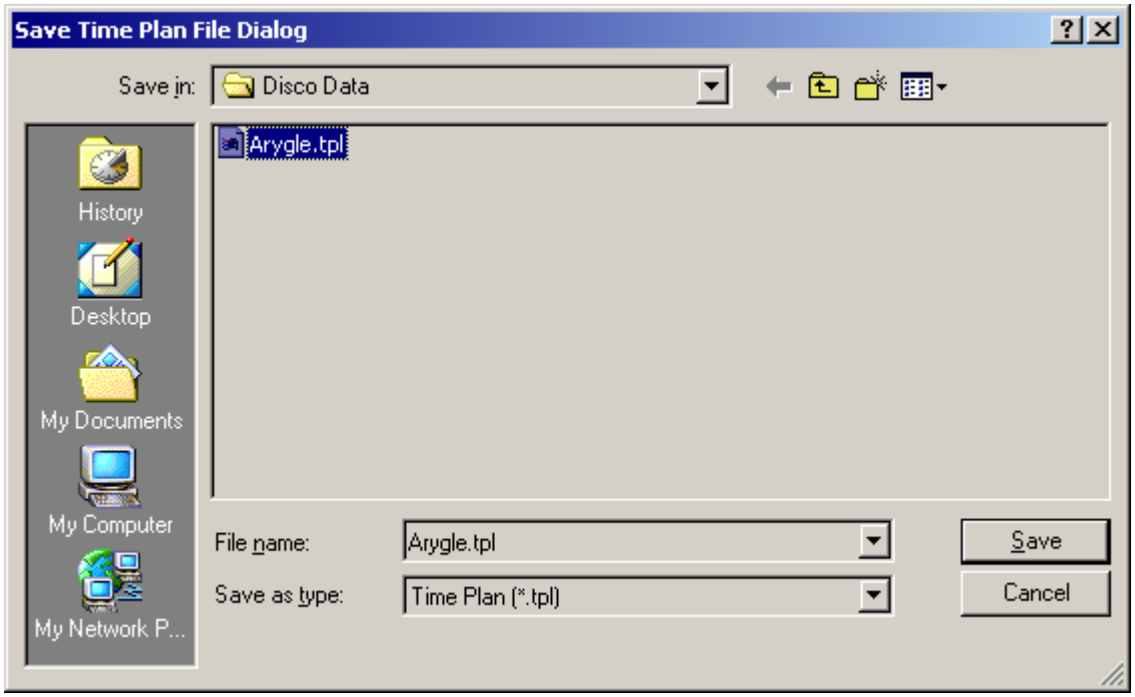
Fortan input file for CTM program can be exported.



Input scenario file:

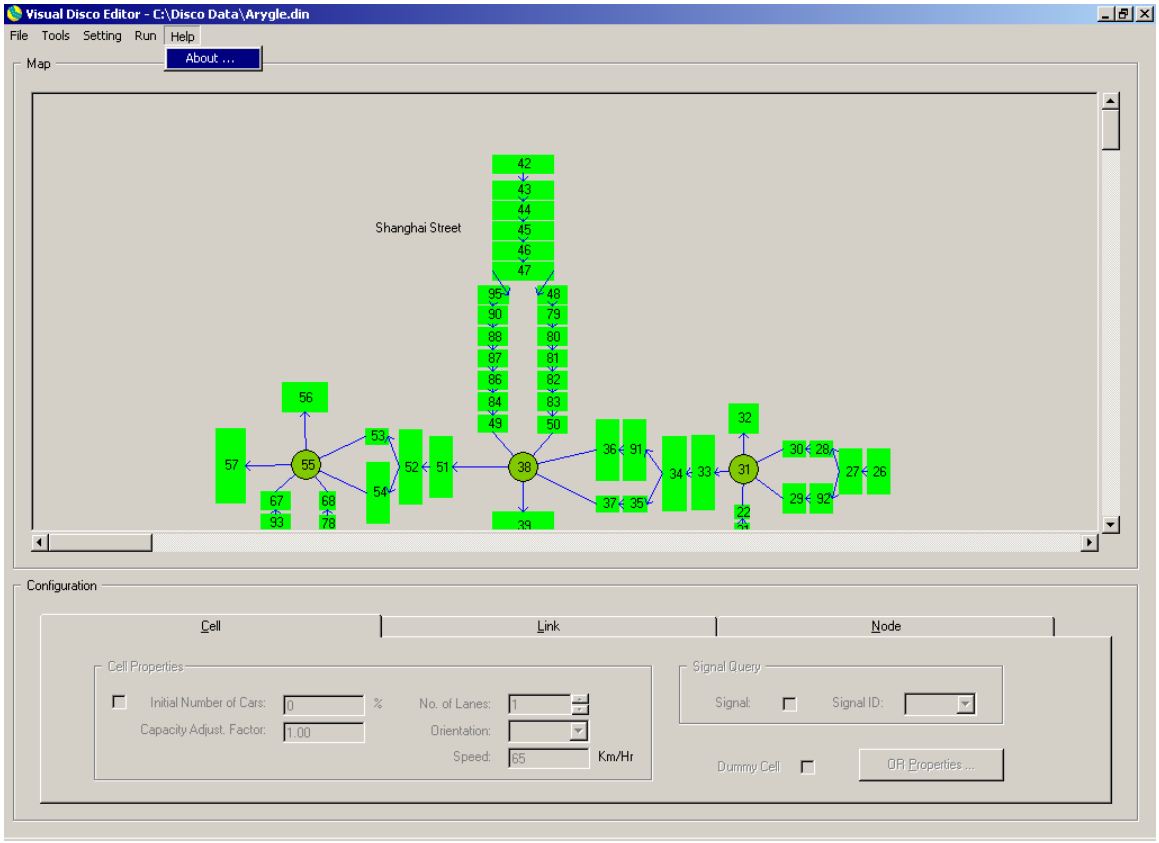


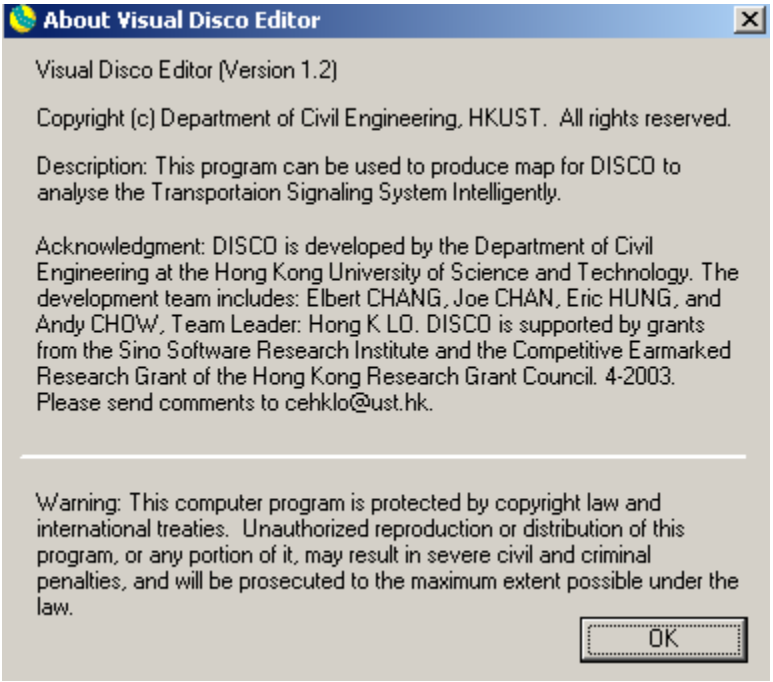
Input timing plan file:



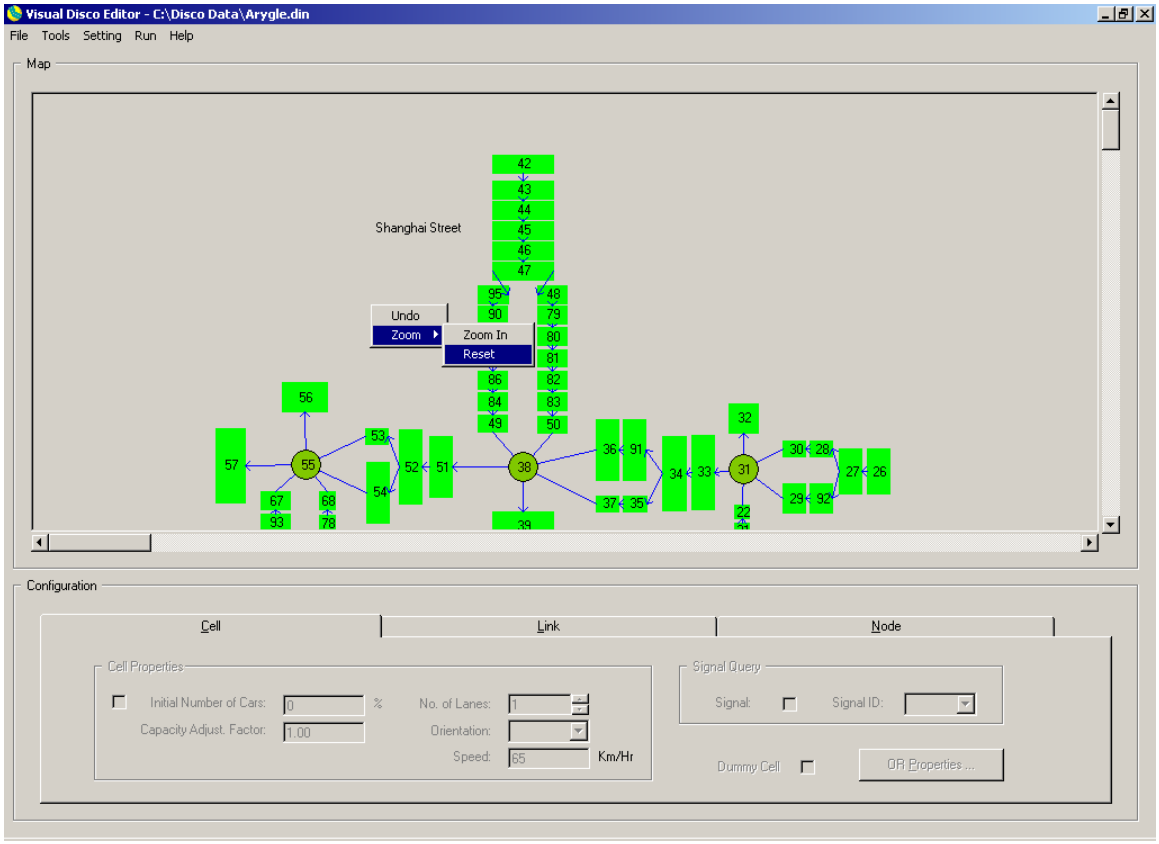
Help → About …

It shows information about the Editor program.





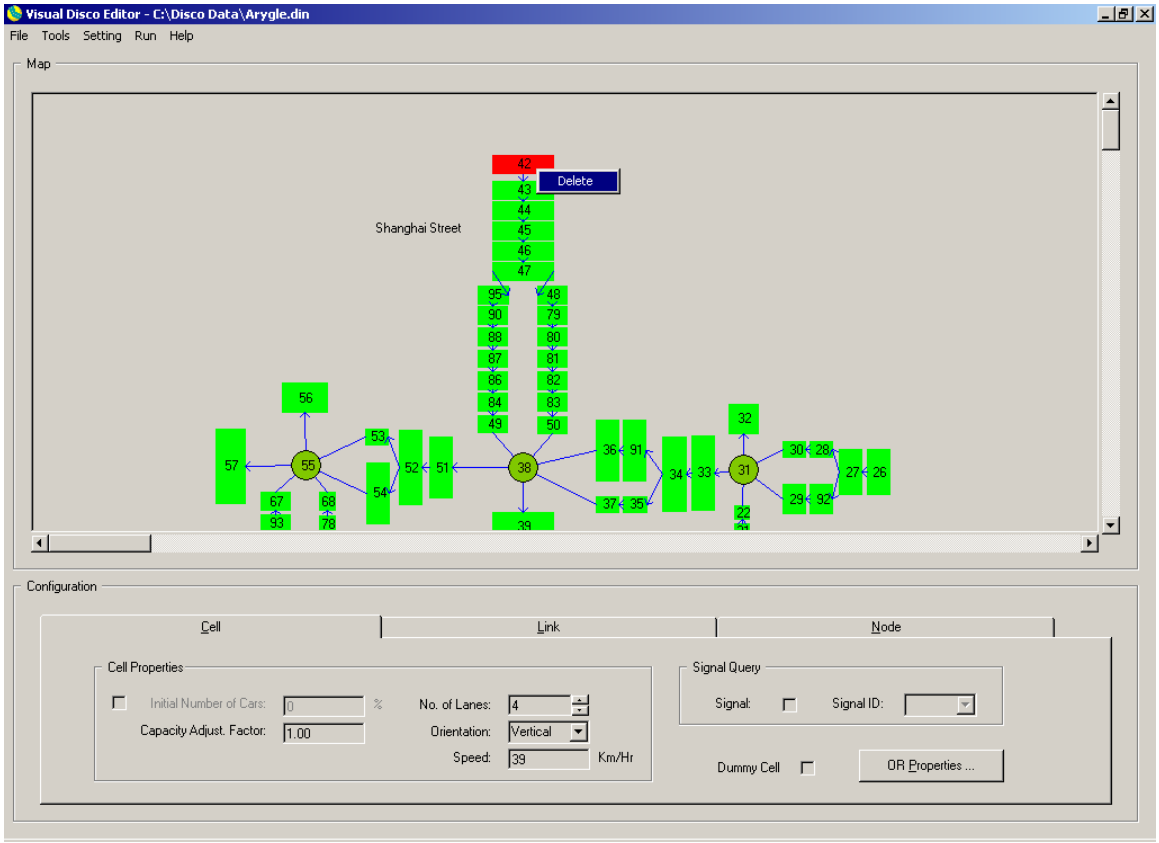
Popup Menu

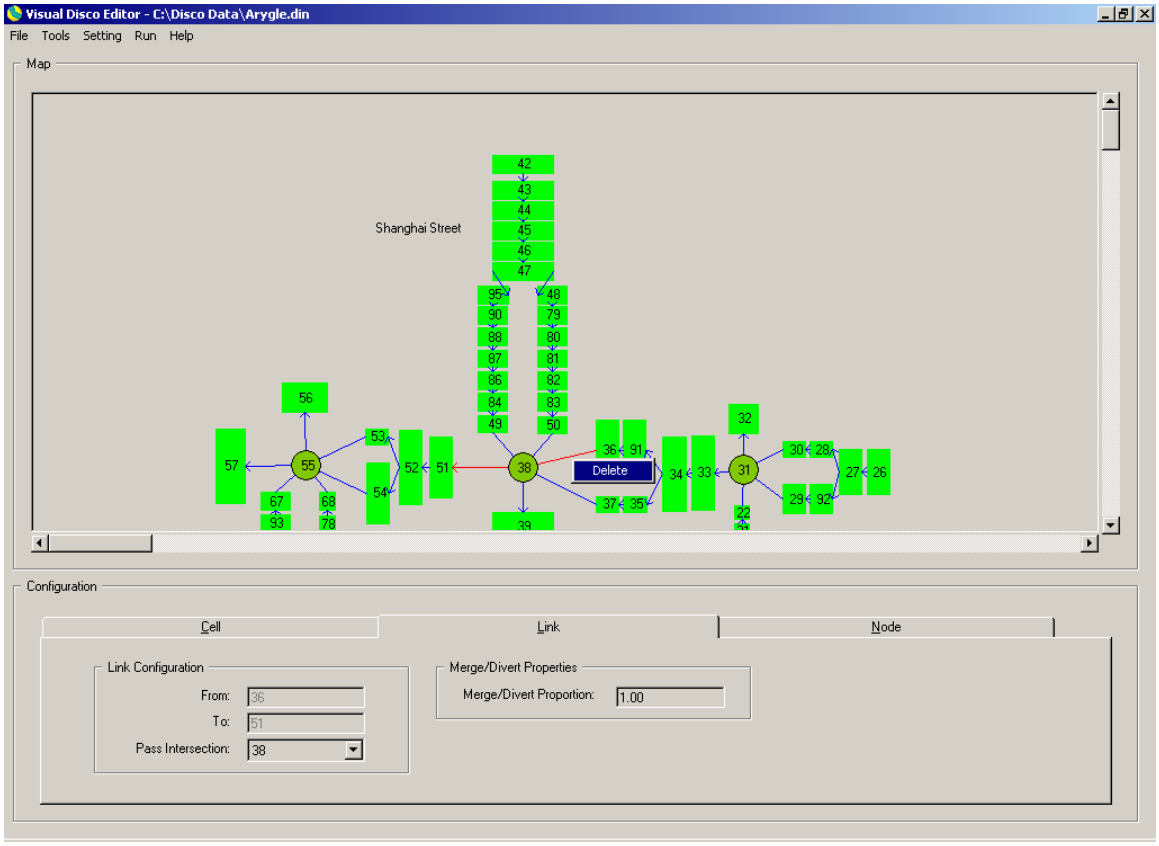


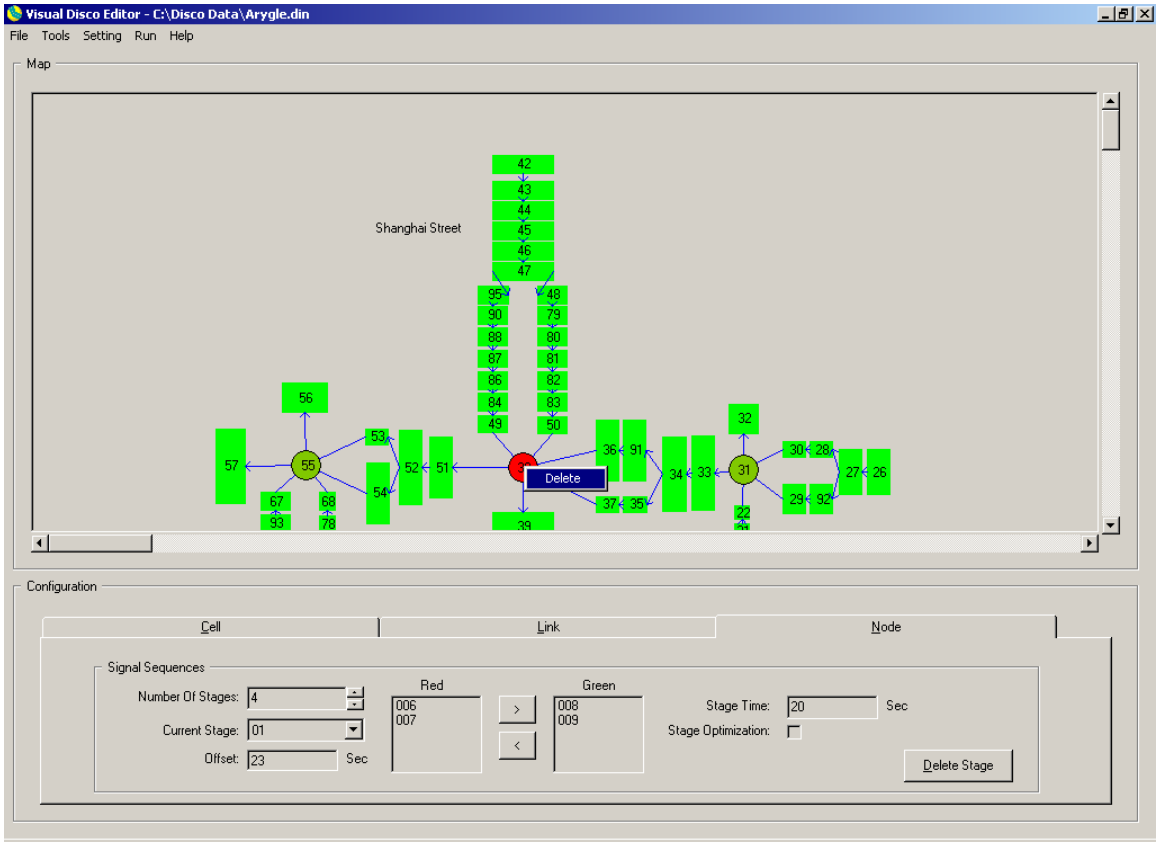
1. Undo – Undo the last action.
2. Zoom → Zoom In – Zoom into the map.
3. Zoom → Reset – No Zoom.

Delete an element

There are two ways to delete a selected element. Right-Click it by mouse and select "delete". Alternatively, you may press the "delete" button on the keyboard.




Visual Disco Editor - C:\Disco Data\Arygle.din
File Tools Setting Run Help
Map
Shanghai Street
Delete
Configuration
Cell
Link
Node
Link Configuration
From: 36
To: 51
Pass Intersection: 38
Merge/Divert Properties
Merge/Divert Proportion: 1.00


Visual Disco Editor - C:\Disco Data\Arygle.din
File Tools Setting Run Help
Map
Shanghai Street
Delete
Configuration
Cell
Link
Node
Signal Sequences
Number Of Stages: 4
Current Stage: 01
Offset: 23 Sec
Red
006
007
Green
008
009
Stage Time: 20 Sec
Stage Optimization:
Delete Stage