```
The value -1.0 is illegal forX, therefore has been replaced with 378926.1591327847
The value -1.0 is illegal forX, therefore has been replaced with 37.73002758775708
Point (378926.1591327847 , 37.73002758775708) has been created
Point (378926.1591327847, 37.73002758775708) has been created
Junction 0 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 194622.25454351
The value -1.0 is illegal forX, therefore has been replaced with 384.0969489943846
Point (194622.25454351 , 384.0969489943846) has been created
Point (194622.25454351, 384.0969489943846) has been created
Junction 1 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 962585.7946655315
The value -1.0 is illegal forX, therefore has been replaced with 695.811645242029
Point (962585.7946655315 , 695.811645242029) has been created
Point (962585.7946655315 , 695.811645242029) has been created
Junction 2 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 379434.4026866124
The value -1.0 is illegal forX, therefore has been replaced with 610.6134781120865
Point (379434.4026866124 , 610.6134781120865) has been created
Point (379434.4026866124, 610.6134781120865) has been created
Junction 3 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 251495.08906334313
The value -1.0 is illegal forX, therefore has been replaced with 239.9430336130511
Point (251495.08906334313 , 239.9430336130511) has been created
Point (251495.08906334313 , 239.9430336130511) has been created
Junction 4 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 197158.47536763427
The value -1.0 is illegal forX, therefore has been replaced with 431.7275884308755
Point (197158.47536763427 , 431.7275884308755) has been created
Point (197158.47536763427 , 431.7275884308755) has been created
Junction 5 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 354623.7333828763
The value -1.0 is illegal forX, therefore has been replaced with 178.17149192812965
Point (354623.7333828763 , 178.17149192812965) has been created
Point (354623.7333828763 , 178.17149192812965) has been created
Junction 6 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 104584.76717510112
The value -1.0 is illegal forX, therefore has been replaced with 770.3139978189192
Point (104584.76717510112 , 770.3139978189192) has been created
Point (104584.76717510112 , 770.3139978189192) has been created
Junction 7 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 246753.839892802
The value -1.0 is illegal forX, therefore has been replaced with 790.3897092118885
Point (246753.839892802 , 790.3897092118885) has been created
Point (246753.839892802 , 790.3897092118885) has been created
Junction 8 has been created.
The value -1.0 is illegal forX, therefore has been replaced with 554153.9302789405
The value -1.0 is illegal forX, therefore has been replaced with 202.71468623001832
Point (554153.9302789405 , 202.71468623001832) has been created
Point (554153.9302789405 , 202.71468623001832) has been created
Junction 9 has been created.
Road from 0 to 9 has been created.
Road from 0 to 9 has been created
Road from 2 to 8 has been created.
Road from 2 to 8 has been created
```

Road from 9 to 1 has been created.

```
Road from 9 to 1 has been created
Road from 8 to 5 has been created.
Road from 8 to 5 has been created
Road from 6 to 2 has been created.
Road from 6 to 2 has been created
Road from 4 to 9 has been created.
Road from 4 to 9 has been created
Road from 7 to 8 has been created.
Road from 7 to 8 has been created
Road from 7 to 3 has been created.
Road from 7 to 3 has been created
Road from 3 to 7 has been created.
Road from 3 to 7 has been created
Road from 8 to 6 has been created.
Road from 8 to 6 has been created
Road from 0 to 5 has been created.
Road from 0 to 5 has been created
Road from 5 to 7 has been created.
Road from 5 to 7 has been created
Road from 2 to 7 has been created.
Road from 2 to 7 has been created
Road from 0 to 6 has been created.
Road from 0 to 6 has been created
Road from 3 to 6 has been created.
Road from 3 to 6 has been created
Road from 2 to 9 has been created.
Road from 2 to 9 has been created
Road from 8 to 1 has been created.
Road from 8 to 1 has been created
Road from 9 to 5 has been created.
Road from 9 to 5 has been created
Road from 9 to 1 has been created.
Road from 9 to 1 has been created
Road from 7 to 9 has been created.
Road from 7 to 9 has been created
Road from 1 to 3 has been created.
Road from 1 to 3 has been created
Road from 4 to 0 has been created.
Road from 4 to 0 has been created
Road from 5 to 9 has been created.
Road from 5 to 9 has been created
Road from 4 to 1 has been created.
Road from 4 to 1 has been created
Road from 5 to 0 has been created.
Road from 5 to 0 has been created
Road from 5 to 1 has been created.
Road from 5 to 1 has been created
Road from 4 to 6 has been created.
Road from 4 to 6 has been created
Road from 6 to 2 has been created.
Road from 6 to 2 has been created
Road from 0 to 5 has been created.
Road from 0 to 5 has been created
Road from 7 to 2 has been created.
Road from 7 to 2 has been created
```

```
Junction 0: EXITING ROADS:
Road from 0 to 9
Road from 0 to 5
Road from 0 to 6
Road from 0 to 5
Junction 0: ENTERING ROADS:
Road from 4 to 0
Road from 5 to 0
Junction 1: EXITING ROADS:
Road from 1 to 3
Junction 1: ENTERING ROADS:
Road from 9 to 1
Road from 8 to 1
Road from 9 to 1
Road from 4 to 1
Road from 5 to 1
Junction 2: EXITING ROADS:
Road from 2 to 8
Road from 2 to 7
Road from 2 to 9
Junction 2: ENTERING ROADS:
Road from 6 to 2
Road from 6 to 2
Road from 7 to 2
Junction 3: EXITING ROADS:
Road from 3 to 7
Road from 3 to 6
Junction 3: ENTERING ROADS:
Road from 7 to 3
Road from 1 to 3
Junction 4: EXITING ROADS:
Road from 4 to 9
Road from 4 to 0
Road from 4 to 1
Road from 4 to 6
Junction 4: ENTERING ROADS:
Junction 5: EXITING ROADS:
Road from 5 to 7
Road from 5 to 9
Road from 5 to 0
Road from 5 to 1
Junction 5: ENTERING ROADS:
Road from 8 to 5
Road from 0 to 5
Road from 9 to 5
Road from 0 to 5
Junction 6: EXITING ROADS:
Road from 6 to 2
Road from 6 to 2
Junction 6: ENTERING ROADS:
Road from 8 to 6
Road from 0 to 6
Road from 3 to 6
Road from 4 to 6
Junction 7: EXITING ROADS:
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Road from 7 to 8
Road from 7 to 3
Road from 7 to 9
Road from 7 to 2
Junction 7: ENTERING ROADS:
Road from 3 to 7
Road from 5 to 7
Road from 2 to 7
Junction 8: EXITING ROADS:
Road from 8 to 5
Road from 8 to 6
Road from 8 to 1
Junction 8: ENTERING ROADS:
Road from 2 to 8
Road from 7 to 8
Junction 9: EXITING ROADS:
Road from 9 to 1
Road from 9 to 5
Road from 9 to 1
Junction 9: ENTERING ROADS:
Road from 0 to 9
Road from 4 to 9
Road from 2 to 9
Road from 7 to 9
Road from 5 to 9
Junction 0 LIGHTS CHECK
Junction 0: traffic lights ON. Delay time: 0
Road from 5 to 0: green light
Road from 4 to 0: green light
Road from 5 to 0: green light
Road from 4 to 0: green light
Road from 5 to 0: green light
Road from 4 to 0: green light
Junction 1 LIGHTS CHECK
Junction 1: traffic lights ON. Delay time: 3
Road from 9 to 1: green light
Road from 8 to 1: green light
Road from 9 to 1: green light
Road from 4 to 1: green light
Road from 5 to 1: green light
Road from 9 to 1: green light
Junction 2 LIGHTS CHECK
Junction 2: traffic lights ON. Delay time: 2
Road from 6 to 2: green light
Road from 6 to 2: green light
Road from 7 to 2: green light
Road from 6 to 2: green light
Road from 6 to 2: green light
Road from 7 to 2: green light
Junction 3 LIGHTS CHECK
Junction 3: traffic lights ON. Delay time: 6
Road from 1 to 3: green light
Road from 7 to 3: green light
Road from 1 to 3: green light
Road from 7 to 3: green light
```

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Road from 1 to 3: green light
Road from 7 to 3: green light
Junction 4 LIGHTS CHECK
Junction 4: No entering roads, traffic lights can't be turned on.
Junction 4: No entering roads, can not change lights
Junction 4: No entering roads, can not change lights
Junction 4: No entering roads, can not change lights
Junction 4: No entering roads, can not change lights
Junction 4: No entering roads, can not change lights
Junction 5 LIGHTS CHECK
Junction 5: traffic lights ON. Delay time: 5
Road from 0 to 5: green light
Road from 9 to 5: green light
Road from 0 to 5: green light
Road from 8 to 5: green light
Road from 0 to 5: green light
Road from 9 to 5: green light
Junction 6 LIGHTS CHECK
Junction 6: traffic lights ON. Delay time: 0
Road from 4 to 6: green light
Road from 8 to 6: green light
Road from 0 to 6: green light
Road from 3 to 6: green light
Road from 4 to 6: green light
Road from 8 to 6: green light
Junction 7 LIGHTS CHECK
Junction 7: traffic lights ON. Delay time: 4
Road from 5 to 7: green light
Road from 2 to 7: green light
Road from 3 to 7: green light
Road from 5 to 7: green light
Road from 2 to 7: green light
Road from 3 to 7: green light
Junction 8 LIGHTS CHECK
Junction 8: traffic lights ON. Delay time: 2
Road from 2 to 8: green light
Road from 7 to 8: green light
Road from 2 to 8: green light
Road from 7 to 8: green light
Road from 2 to 8: green light
Road from 7 to 8: green light
Junction 9 LIGHTS CHECK
Junction 9: traffic lights ON. Delay time: 3
Road from 0 to 9: green light
Road from 4 to 9: green light
Road from 2 to 9: green light
Road from 7 to 9: green light
Road from 5 to 9: green light
Road from 0 to 9: green light
Road from 0 to 9: [bus, average speed: 60, motorcycle, average speed: 120, truck,
average speed: 80, semitrailer, average speed: 80] lenth: 175227.84881629728 Max
Speed: 55
Road from 2 to 8: [bus, average speed: 60, semitrailer, average speed: 80] lenth:
715831.9610207113 Max Speed: 55
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Road from 9 to 1: [car, average speed: 90, bicycle, average speed: 40, truck, average
speed: 80, semitrailer, average speed: 80] lenth: 359531.7214887331 Max Speed: 90
Road from 8 to 5: [car, average speed: 90, bus, average speed: 60, bicycle, average
speed: 40, motorcycle, average speed: 120, tram, average speed: 50, semitrailer,
average speed: 80] lenth: 49596.66138865749 Max Speed: 55
Road from 6 to 2: [car, average speed: 90, bus, average speed: 60, bicycle, average
speed: 40] lenth: 607962.2816510769 Max Speed: 60
Road from 4 to 9: [car, average speed: 90, bus, average speed: 60, truck, average
speed: 80, tram, average speed: 50] lenth: 302658.84350522124 Max Speed: 55
Road from 7 to 8: [car, average speed: 90, motorcycle, average speed: 120, truck,
average speed: 80, tram, average speed: 50] lenth: 142169.07413514765 Max Speed: 55
Road from 7 to 3: [car, average speed: 90, bicycle, average speed: 40, motorcycle,
average speed: 120, truck, average speed: 80, semitrailer, average speed: 80] lenth:
274849.68190825067 Max Speed: 90
Road from 3 to 7: [bus, average speed: 60, motorcycle, average speed: 120, truck,
average speed: 80, tram, average speed: 50] lenth: 274849.68190825067 Max Speed: 30
Road from 8 to 6: [car, average speed: 90, bus, average speed: 60, motorcycle,
average speed: 120, truck, average speed: 80, semitrailer, average speed: 80] lenth:
107871.63080581267 Max Speed: 30
Road from 0 to 5: [car, average speed: 90, motorcycle, average speed: 120,
semitrailer, average speed: 80] lenth: 181768.11077696132 Max Speed: 55
Road from 5 to 7: [car, average speed: 90, motorcycle, average speed: 120,
semitrailer, average speed: 80] lenth: 92574.32737683218 Max Speed: 110
Road from 2 to 7: [car, average speed: 90, bicycle, average speed: 40, motorcycle,
average speed: 120, truck, average speed: 80, semitrailer, average speed: 80] lenth:
858001.0307250422 Max Speed: 70
Road from 0 to 6: [bicycle, average speed: 40, tram, average speed: 50] lenth:
24302.831545618625 Max Speed: 60
Road from 3 to 6: [motorcycle, average speed: 120, truck, average speed: 80, tram,
average speed: 50] lenth: 24814.437679922667 Max Speed: 60
Road from 2 to 9: [bus, average speed: 60, bicycle, average speed: 40, motorcycle,
average speed: 120, tram, average speed: 50, semitrailer, average speed: 80] lenth:
408432.162042753 Max Speed: 30
Road from 8 to 1: [car, average speed: 90, bicycle, average speed: 40, truck, average
speed: 80, semitrailer, average speed: 80] lenth: 52133.16856702191 Max Speed: 55
Road from 9 to 5: [car, average speed: 90, bus, average speed: 60, motorcycle,
average speed: 120, tram, average speed: 50] lenth: 356995.528367289 Max Speed: 55
Road from 9 to 1: [car, average speed: 90, truck, average speed: 80] lenth:
359531.7214887331 Max Speed: 30
Road from 7 to 9: [car, average speed: 90, bus, average speed: 60, truck, average
speed: 80, tram, average speed: 50, semitrailer, average speed: 80] lenth:
449569.5214122784 Max Speed: 55
Road from 1 to 3: [tram, average speed: 50, semitrailer, average speed: 80] lenth:
184812.28695897356 Max Speed: 110
Road from 4 to 0: [motorcycle, average speed: 120, truck, average speed: 80, tram,
average speed: 50] lenth: 127431.23050941135 Max Speed: 30
Road from 5 to 9: [bicycle, average speed: 40, motorcycle, average speed: 120] lenth:
356995.528367289 Max Speed: 90
Road from 4 to 1: [car, average speed: 90, bus, average speed: 60, bicycle, average
speed: 40, truck, average speed: 80, semitrailer, average speed: 80] lenth:
56873.01721090276 Max Speed: 55
Road from 5 to 0: [bicycle, average speed: 40, motorcycle, average speed: 120, truck,
average speed: 80, tram, average speed: 50, semitrailer, average speed: 80] lenth:
181768.11077696132 Max Speed: 110
```

Road from 5 to 1: [car, average speed: 90, semitrailer, average speed: 80] lenth: 2536.6680402714665 Max Speed: 110

Road from 4 to 6: [bus, average speed: 60, truck, average speed: 80, tram, average speed: 50] lenth: 103128.66281935468 Max Speed: 70

Road from 6 to 2: [car, average speed: 90, bicycle, average speed: 40, motorcycle, average speed: 120, truck, average speed: 80, semitrailer, average speed: 80] lenth: 607962.2816510769 Max Speed: 60

Road from 0 to 5: [car, average speed: 90, bus, average speed: 60, motorcycle, average speed: 120, semitrailer, average speed: 80] lenth: 181768.11077696132 Max Speed: 110

Road from 7 to 2: [bus, average speed: 60, motorcycle, average speed: 120, truck, average speed: 80, tram, average speed: 50, semitrailer, average speed: 80] lenth: 858001.0307250422 Max Speed: 70