זהו פלט של הרצת Program כאשר רוב הפעולות מתועדות בהדפסה לקונסולה. התוכנית מבצעת את הדברים הבאים:

1. מייצרת נקודה רנדומלית ומייצרת צומת בנקודה זאת.

2. מחברת את כל הצמתים ביניהם (יש קטע דרך בין כל צומת וצומת), כאשר המאפיין של הדרך "isEnable" מקבל ערך רנדומלי. המאפיין קובע אם דרך זאת מופיעה על המפה ואם ניתן לנסוע עליה. באופן רנדומלי נבחרים סוגי רכבים להם מותר לנסוע בכל דרך שנוצרה. לבסוף, באופן רנדומלי נקבע, באילו צמתים יופעל רמזור ובאופן רנדומלי גם כן נבחרת הדרך הראשונה שתקבל אור ירוק באותה צומת. מהירות מקסימלית נבחרת גם היא רנדומלית מתוך אוסף מהירויות אפשריות.

3. נוצרים רכבים, סוג הרכב נבחר רנדומלית מאוסף סוגים. וכן באופן רנדומלי נקבע מיקום ראשוני (צומת) בו הרכב יוצב. לכל רכב נוצר מסלול רנדומלי מהנקודה ההתחלתית שבה הרכב נוצר ועד הגעה לצומת ללא דרכים יוצאות או עד שמסלול יכלול 9 דרכים ו-10 צמתים.

4. התוכנית מתנהלת לפי פעימות כאשר כמות פעימות מקסימלית שמורה במשתנה maxTime. בכל פעימה כל אחד מהרכבים מנסה לבצע תנועה מצומת אחת במסלול לצומת אחרת. בין מצליח ובין אם לא (רמזור אדום, רכב אחר עם זכות קדימה), זמן הנסיעה מתעדכן בהתאם. הרכבים זזים לפי הסדר בו נוצרו. לאחר מכן כל הרמזורים מתחלפים, האור הירוק עובר לכביש הבא בתוך בין הכבישים הנכנסים בכל צומת. לאחר מכן הפעימה מסתיימת ומתחילה הפעימה הבאה. שימו לב, זמן הנסיעה מחושב כפי שהוגדר במסמך הראשון ולא לפי הפעימות, הפעימות הוא כלי זמני שאנחנו משתמשים בו.

5. הפלט הזה נוצר כתוצאה מהרצת התוכנית עם 10 צמתים, 40 רכבים ו-8 פעימות ואמור לכסות את רוב המקרים האפשריים.

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Point (192123.64417812746 , 266.4302823696016) has been created
Point (192123.64417812746 , 266.4302823696016) has been created
Junction 0 has been created.
Point (131828.20934702127 , 547.9041086799808) has been created
Point (131828.20934702127 , 547.9041086799808) has been created
Junction 1 has been created.
Point (939449.2874800876 , 1.3057578656085025) has been created
Point (939449.2874800876 , 1.3057578656085025) has been created
Junction 2 has been created.
Point (457080.19322085 , 367.67578126325833) has been created
Point (457080.19322085 , 367.67578126325833) has been created
Junction 3 has been created.
Point (393038.5005462154 , 698.1596837412205) has been created
Point (393038.5005462154 , 698.1596837412205) has been created
Junction 4 has been created.
Point (132209.313713606 , 652.7785647987603) has been created
Point (132209.313713606 , 652.7785647987603) has been created
Junction 5 has been created.
Point (443053.45450434956 , 338.5473882800002) has been created
Point (443053.45450434956 , 338.5473882800002) has been created
Junction 6 has been created.
Point (122687.8257521949 , 607.8809070271019) has been created
Point (122687.8257521949 , 607.8809070271019) has been created
Junction 7 has been created.
Point (404317.2755880763 , 745.9311091349072) has been created
Point (404317.2755880763 , 745.9311091349072) has been created
Junction 8 has been created.
Point (946082.6473493451 , 235.02655988999928) has been created
Point (946082.6473493451 , 235.02655988999928) has been created
Junction 9 has been created.
Road from 0 to 1 has been created.
Road from 0 to 2 has been created.
Junction 2: traffic lights ON. Delay time: 0
Road from 0 to 2: green light
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Road from 0 to 3 has been created.
Junction 3: traffic lights ON. Delay time: 7
Road from 0 to 3: green light
Road from 0 to 4 has been created.
Road from 0 to 5 has been created.
Road from 0 to 6 has been created.
Road from 0 to 7 has been created.
Junction 7: traffic lights ON. Delay time: 6
Road from 0 to 7: green light
Road from 0 to 8 has been created.
Junction 8: traffic lights ON. Delay time: 7
Road from 0 to 8: green light
Road from 0 to 9 has been created.
Road from 1 to 0 has been created.
Road from 1 to 2 has been created.
Road from 1 to 3 has been created.
Road from 1 to 4 has been created.
Road from 1 to 5 has been created.
Road from 1 to 6 has been created.
Road from 1 to 7 has been created.
Road from 1 to 8 has been created.
Road from 1 to 9 has been created.
Junction 9: traffic lights ON. Delay time: 1
Road from 1 to 9: green light
Road from 2 to 0 has been created.
Road from 2 to 1 has been created.
Junction 1: traffic lights ON. Delay time: 1
Road from 2 to 1: green light
Road from 2 to 3 has been created.
Road from 2 to 4 has been created.
Road from 2 to 5 has been created.
Junction 5: traffic lights ON. Delay time: 5
Road from 2 to 5: green light
Road from 2 to 6 has been created.
Road from 2 to 7 has been created.
Road from 2 to 8 has been created.
Road from 2 to 9 has been created.
Junction 9: traffic lights ON. Delay time: 1
Road from 2 to 9: green light
Road from 3 to 0 has been created.
Road from 3 to 1 has been created.
Road from 3 to 2 has been created.
Road from 3 to 4 has been created.
Junction 4: traffic lights ON. Delay time: 5
Road from 1 to 4: green light
Road from 3 to 5 has been created.
Road from 3 to 6 has been created.
Road from 3 to 7 has been created.
Road from 3 to 8 has been created.
Road from 3 to 9 has been created.
Road from 4 to 0 has been created.
Road from 4 to 1 has been created.
Junction 1: traffic lights ON. Delay time: 4
Road from 4 to 1: green light
Road from 4 to 2 has been created.
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Road from 4 to 3 has been created.
Road from 4 to 5 has been created.
Junction 5: traffic lights ON. Delay time: 3
Road from 3 to 5: green light
Road from 4 to 6 has been created.
Road from 4 to 7 has been created.
Road from 4 to 8 has been created.
Road from 4 to 9 has been created.
Road from 5 to 0 has been created.
Road from 5 to 1 has been created.
Road from 5 to 2 has been created.
Road from 5 to 3 has been created.
Road from 5 to 4 has been created.
Road from 5 to 6 has been created.
Road from 5 to 7 has been created.
Road from 5 to 8 has been created.
Junction 8: traffic lights ON. Delay time: 1
Road from 5 to 8: green light
Road from 5 to 9 has been created.
Junction 9: traffic lights ON. Delay time: 5
Road from 3 to 9: green light
Road from 6 to 0 has been created.
Road from 6 to 1 has been created.
Road from 6 to 2 has been created.
Junction 2: traffic lights ON. Delay time: 5
Road from 0 to 2: green light
Road from 6 to 3 has been created.
Road from 6 to 4 has been created.
Junction 4: traffic lights ON. Delay time: 0
Road from 0 to 4: green light
Road from 6 to 5 has been created.
Junction 5: traffic lights ON. Delay time: 5
Road from 3 to 5: green light
Road from 6 to 7 has been created.
Road from 6 to 8 has been created.
Junction 8: traffic lights ON. Delay time: 6
Road from 3 to 8: green light
Road from 6 to 9 has been created.
Road from 7 to 0 has been created.
Road from 7 to 1 has been created.
Road from 7 to 2 has been created.
Road from 7 to 3 has been created.
Junction 3: traffic lights ON. Delay time: 0
Road from 1 to 3: green light
Road from 7 to 4 has been created.
Road from 7 to 5 has been created.
Road from 7 to 6 has been created.
Road from 7 to 8 has been created.
Road from 7 to 9 has been created.
Road from 8 to 0 has been created.
Road from 8 to 1 has been created.
Road from 8 to 2 has been created.
Junction 2: traffic lights ON. Delay time: 1
Road from 8 to 2: green light
Road from 8 to 3 has been created.
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Road from 8 to 4 has been created.
Road from 8 to 5 has been created.
Road from 8 to 6 has been created.
Road from 8 to 7 has been created.
Road from 8 to 9 has been created.
Road from 9 to 0 has been created.
Road from 9 to 1 has been created.
Road from 9 to 2 has been created.
Road from 9 to 3 has been created.
Road from 9 to 4 has been created.
Road from 9 to 5 has been created.
Junction 5: traffic lights ON. Delay time: 6
Road from 4 to 5: green light
Road from 9 to 6 has been created.
Road from 9 to 7 has been created.
Road from 9 to 8 has been created.
Junction 8: traffic lights ON. Delay time: 4
Road from 7 to 8: green light
bicycle, average speed: 40,  ID: 0 has been created and placed at Junction 9.
bicycle, average speed: 40,  ID: 1 has been created and placed at Junction 0.
bicycle, average speed: 40,  ID: 2 has been created and placed at Junction 5.
bus, average speed: 60,  ID: 3 has been created and placed at Junction 5.
bicycle, average speed: 40,  ID: 4 has been created and placed at Junction 2.
bus, average speed: 60,  ID: 5 has been created and placed at Junction 4.
car, average speed: 90,  ID: 6 has been created and placed at Junction 4.
motorcycle, average speed: 120,  ID: 7 has been created and placed at Junction 1.
car, average speed: 90,  ID: 8 has been created and placed at Junction 3.
car, average speed: 90,  ID: 9 has been created and placed at Junction 8.
car, average speed: 90,  ID: 10 has been created and placed at Junction 6.
car, average speed: 90,  ID: 11 has been created and placed at Junction 3.
bus, average speed: 60,  ID: 12 has been created and placed at Junction 0.
car, average speed: 90,  ID: 13 has been created and placed at Junction 4.
car, average speed: 90,  ID: 14 has been created and placed at Junction 6.
car, average speed: 90,  ID: 15 has been created and placed at Junction 3.
car, average speed: 90,  ID: 16 has been created and placed at Junction 3.
bus, average speed: 60,  ID: 17 has been created and placed at Junction 0.
bus, average speed: 60,  ID: 18 has been created and placed at Junction 6.
car, average speed: 90,  ID: 19 has been created and placed at Junction 3.
bicycle, average speed: 40,  ID: 20 has been created and placed at Junction 7.
bus, average speed: 60,  ID: 21 has been created and placed at Junction 2.
car, average speed: 90,  ID: 22 has been created and placed at Junction 0.
car, average speed: 90,  ID: 23 has been created and placed at Junction 8.
car, average speed: 90,  ID: 24 has been created and placed at Junction 1.
car, average speed: 90,  ID: 25 has been created and placed at Junction 1.
car, average speed: 90,  ID: 26 has been created and placed at Junction 1.
bus, average speed: 60,  ID: 27 has been created and placed at Junction 1.
car, average speed: 90,  ID: 28 has been created and placed at Junction 3.
car, average speed: 90,  ID: 29 has been created and placed at Junction 7.
bus, average speed: 60,  ID: 30 has been created and placed at Junction 8.
motorcycle, average speed: 120,  ID: 31 has been created and placed at Junction 6.
car, average speed: 90,  ID: 32 has been created and placed at Junction 7.
bicycle, average speed: 40,  ID: 33 has been created and placed at Junction 9.
bus, average speed: 60,  ID: 34 has been created and placed at Junction 9.
car, average speed: 90,  ID: 35 has been created and placed at Junction 2.
car, average speed: 90,  ID: 36 has been created and placed at Junction 4.
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bus, average speed: 60, ID: 37 has been created and placed at Junction 8.
bicycle, average speed: 40, ID: 38 has been created and placed at Junction 1.
car, average speed: 90, ID: 39 has been created and placed at Junction 7.

TURN 1
bicycle, average speed: 40, ID: 0 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 0 is waiting for green light at Junction 9
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 is starting route from Junction 5 to Junction 6.
bicycle, average speed: 40, ID: 2 is waiting for green light at Junction 5
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 is waiting for green light at Junction 4
car, average speed: 90, ID: 6 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 6 is waiting for green light at Junction 4
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction 2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 8 is waiting for green light at Junction 3
car, average speed: 90, ID: 9 is starting route from Junction 8 to Junction 1.
car, average speed: 90, ID: 9 has left Junction 8.
car, average speed: 90, ID: 9 is moving on Road from 8 to 0. Delay time: 3858.075876018863.
car, average speed: 90, ID: 9 has arrived to Junction 0.
car, average speed: 90, ID: 10 is starting route from Junction 6 to Junction 7.
car, average speed: 90, ID: 10 has left Junction 6.
car, average speed: 90, ID: 10 is moving on Road from 6 to 4. Delay time: 555.7360751644401.
car, average speed: 90, ID: 10 has arrived to Junction 4.
car, average speed: 90, ID: 11 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 11 has left Junction 3.
car, average speed: 90, ID: 11 is moving on Road from 3 to 1. Delay time: 3613.9114867533517.
car, average speed: 90, ID: 11 has arrived to Junction 1.
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 is starting route from Junction 6 to Junction 7.
car, average speed: 90, ID: 14 has left Junction 6.
car, average speed: 90, ID: 14 is moving on Road from 6 to 4. Delay time: 555.7360751644401.
car, average speed: 90, ID: 14 has arrived to Junction 4.
car, average speed: 90, ID: 15 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 15 has left Junction 3.
car, average speed: 90, ID: 15 is moving on Road from 3 to 1. Delay time: 3613.9114867533517.
car, average speed: 90, ID: 15 has arrived to Junction 1.
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 is starting route from Junction 6 to Junction 5.
bus, average speed: 60, ID: 18 has left Junction 6.

bus, average speed: 60, ID: 18 is moving on Road from 6 to 5. Delay time: 10361.476653942069.
bus, average speed: 60, ID: 18 has arrived to Junction 5.
bus, average speed: 60, ID: 18 has finished the route. Total time: 10361.476653942069
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 is waiting for green light at Junction 3
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 is starting route from Junction 2 to Junction 0.
bus, average speed: 60, ID: 21 is waiting for green light at Junction 2
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 is starting route from Junction 8 to Junction 1.
car, average speed: 90, ID: 23 has left Junction 8.
car, average speed: 90, ID: 23 is moving on Road from 8 to 0. Delay time: 3858.075876018863.
car, average speed: 90, ID: 23 has arrived to Junction 0.
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60, ID: 27 has left Junction 1.
bus, average speed: 60, ID: 27 is moving on Road from 1 to 3. Delay time: 5420.867230130028.
bus, average speed: 60, ID: 27 has arrived to Junction 3.
bus, average speed: 60, ID: 27 has finished the route. Total time: 5420.867230130028
car, average speed: 90, ID: 28 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 28 is waiting for green light at Junction 3
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 is starting route from Junction 6 to Junction 0.
motorcycle, average speed: 120, ID: 31 has left Junction 6.
motorcycle, average speed: 120, ID: 31 is moving on Road from 6 to 7. Delay time: 3559.619355193073.
motorcycle, average speed: 120, ID: 31 has arrived to Junction 7.
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 33 is waiting for green light at Junction 9
bus, average speed: 60, ID: 34 is starting route from Junction 9 to Junction 0.
bus, average speed: 60, ID: 34 is waiting for green light at Junction 9
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 5 to 1: green light
Road from 9 to 2: green light
Road from 2 to 3: green light
Road from 1 to 4: green light
Road from 6 to 5: green light
Road from 1 to 7: green light

Road from 9 to 8: green light
Road from 4 to 9: green light

TURN 2
bicycle, average speed: 40, ID: 0 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 0 has left Junction 9.
bicycle, average speed: 40, ID: 0 is moving on Road from 9 to 0. Delay time:
18848.975095630696.
bicycle, average speed: 40, ID: 0 has arrived to Junction 0.
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 is starting route from Junction 5 to Junction 6.
bicycle, average speed: 40, ID: 2 has left Junction 5.
bicycle, average speed: 40, ID: 2 is moving on Road from 5 to 4. Delay time:
8694.306359349728.
bicycle, average speed: 40, ID: 2 has arrived to Junction 4.
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 is waiting for green light at Junction 4
car, average speed: 90, ID: 6 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 6 is waiting for green light at Junction 4
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction
2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 8 is waiting for green light at Junction 3
car, average speed: 90, ID: 9 has left Junction 0.
car, average speed: 90, ID: 9 is moving on Road from 8 to 0. Delay time:
3858.075876018863.
car, average speed: 90, ID: 9 has arrived to Junction 0.
car, average speed: 90, ID: 10 is waiting for green light at Junction 4
car, average speed: 90, ID: 11 is waiting for green light at Junction 1
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 is waiting for green light at Junction 4
car, average speed: 90, ID: 15 is waiting for green light at Junction 1
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 is waiting for green light at Junction 3
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 is starting route from Junction 2 to Junction 0.
bus, average speed: 60, ID: 21 is waiting for green light at Junction 2
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 has left Junction 0.
car, average speed: 90, ID: 23 is moving on Road from 8 to 0. Delay time:
3858.075876018863.
car, average speed: 90, ID: 23 has arrived to Junction 0.
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.

car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 3 to Junction 1.
bus, average speed: 60, ID: 27 has left Junction 3.
bus, average speed: 60, ID: 27 is moving on Road from 3 to 1. Delay time:
5420.867230130028.
bus, average speed: 60, ID: 27 has arrived to Junction 1.
bus, average speed: 60, ID: 27 has finished the route. Total time: 5420.867230130028
car, average speed: 90, ID: 28 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 28 has left Junction 3.
car, average speed: 90, ID: 28 is moving on Road from 3 to 1. Delay time:
3613.9114867533517.
car, average speed: 90, ID: 28 has arrived to Junction 1.
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 is waiting for green light at Junction 7
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 33 is waiting for green light at Junction 9
bus, average speed: 60, ID: 34 is starting route from Junction 9 to Junction 0.
bus, average speed: 60, ID: 34 is waiting for green light at Junction 9
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 6 to 1: green light
Road from 0 to 2: green light
Road from 4 to 3: green light
Road from 2 to 4: green light
Road from 7 to 5: green light
Road from 2 to 7: green light
Road from 0 to 8: green light
Road from 5 to 9: green light

TURN 3
bicycle, average speed: 40, ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 is waiting for green light at Junction 4
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 is waiting for green light at Junction 4
car, average speed: 90, ID: 6 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 6 is waiting for green light at Junction 4
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction
2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 8 has left Junction 3.
car, average speed: 90, ID: 8 is moving on Road from 3 to 1. Delay time:
3613.9114867533517.

car, average speed: 90, ID: 8 has arrived to Junction 1.
car, average speed: 90, ID: 9 has left Junction 0.
car, average speed: 90, ID: 9 is moving on Road from 8 to 0. Delay time:
3858.075876018863.
car, average speed: 90, ID: 9 has arrived to Junction 0.
car, average speed: 90, ID: 10 is waiting for green light at Junction 4
car, average speed: 90, ID: 11 is waiting for green light at Junction 1
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 is waiting for green light at Junction 4
car, average speed: 90, ID: 15 is waiting for green light at Junction 1
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 is waiting for green light at Junction 3
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 is starting route from Junction 2 to Junction 0.
bus, average speed: 60, ID: 21 is waiting for green light at Junction 2
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 has left Junction 0.
car, average speed: 90, ID: 23 is moving on Road from 8 to 0. Delay time:
3858.075876018863.
car, average speed: 90, ID: 23 has arrived to Junction 0.
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60, ID: 27 is waiting for green light at Junction 1
car, average speed: 90, ID: 28 is waiting for green light at Junction 1
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 is waiting for green light at Junction 7
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 33 is waiting for green light at Junction 9
bus, average speed: 60, ID: 34 is starting route from Junction 9 to Junction 0.
bus, average speed: 60, ID: 34 has left Junction 9.
bus, average speed: 60, ID: 34 is moving on Road from 9 to 2. Delay time:
120.6813830752306.
bus, average speed: 60, ID: 34 has arrived to Junction 2.
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 7 to 1: green light
Road from 1 to 2: green light
Road from 5 to 3: green light

Road from 3 to 4: green light
Road from 8 to 5: green light
Road from 3 to 7: green light
Road from 1 to 8: green light
Road from 6 to 9: green light

TURN 4
bicycle, average speed: 40, ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 is waiting for green light at Junction 4
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 is waiting for green light at Junction 4
car, average speed: 90, ID: 6 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 6 is waiting for green light at Junction 4
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction 2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is waiting for green light at Junction 1
car, average speed: 90, ID: 9 has left Junction 0.
car, average speed: 90, ID: 9 is moving on Road from 8 to 0. Delay time: 3858.075876018863.
car, average speed: 90, ID: 9 has arrived to Junction 0.
car, average speed: 90, ID: 10 is waiting for green light at Junction 4
car, average speed: 90, ID: 11 is waiting for green light at Junction 1
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 is waiting for green light at Junction 4
car, average speed: 90, ID: 15 is waiting for green light at Junction 1
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 is waiting for green light at Junction 3
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 is starting route from Junction 2 to Junction 0.
bus, average speed: 60, ID: 21 is waiting for green light at Junction 2
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 has left Junction 0.
car, average speed: 90, ID: 23 is moving on Road from 8 to 0. Delay time: 3858.075876018863.
car, average speed: 90, ID: 23 has arrived to Junction 0.
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60, ID: 27 is waiting for green light at Junction 1
car, average speed: 90, ID: 28 is waiting for green light at Junction 1
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.

motorcycle, average speed: 120, ID: 31 is waiting for green light at Junction 7
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 33 is waiting for green light at Junction 9
bus, average speed: 60, ID: 34 has left Junction 2.
bus, average speed: 60, ID: 34 is moving on Road from 9 to 2. Delay time:
120.6813830752306.
bus, average speed: 60, ID: 34 has arrived to Junction 2.
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 8 to 1: green light
Road from 3 to 2: green light
Road from 6 to 3: green light
Road from 5 to 4: green light
Road from 9 to 5: green light
Road from 4 to 7: green light
Road from 2 to 8: green light
Road from 7 to 9: green light

TURN 5
bicycle, average speed: 40, ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 has left Junction 4.
bicycle, average speed: 40, ID: 2 is moving on Road from 5 to 4. Delay time:
8694.306359349728.
bicycle, average speed: 40, ID: 2 has arrived to Junction 4.
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 is waiting for green light at Junction 4
car, average speed: 90, ID: 6 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 6 has left Junction 4.
car, average speed: 90, ID: 6 is moving on Road from 4 to 0. Delay time:
6697.177340714802.
car, average speed: 90, ID: 6 has arrived to Junction 0.
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction
2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is waiting for green light at Junction 1
car, average speed: 90, ID: 9 is waiting for his priority at Junction 0
car, average speed: 90, ID: 10 is waiting for green light at Junction 4
car, average speed: 90, ID: 11 is waiting for green light at Junction 1
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 is waiting for green light at Junction 4
car, average speed: 90, ID: 15 is waiting for green light at Junction 1
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.

car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 is waiting for green light at Junction 3
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 is starting route from Junction 2 to Junction 0.
bus, average speed: 60, ID: 21 has left Junction 2.
bus, average speed: 60, ID: 21 is moving on Road from 2 to 4. Delay time:
9106.853854882647.
bus, average speed: 60, ID: 21 has arrived to Junction 4.
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 is waiting for his priority at Junction 0
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60, ID: 27 is waiting for green light at Junction 1
car, average speed: 90, ID: 28 is waiting for green light at Junction 1
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 is waiting for green light at Junction 7
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is starting route from Junction 9 to Junction 4.
bicycle, average speed: 40, ID: 33 has left Junction 9.
bicycle, average speed: 40, ID: 33 is moving on Road from 9 to 0. Delay time:
18848.975095630696.
bicycle, average speed: 40, ID: 33 has arrived to Junction 0.
bus, average speed: 60, ID: 34 has left Junction 2.
bus, average speed: 60, ID: 34 is moving on Road from 9 to 2. Delay time:
120.6813830752306.
bus, average speed: 60, ID: 34 has arrived to Junction 2.
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 9 to 1: green light
Road from 4 to 2: green light
Road from 7 to 3: green light
Road from 6 to 4: green light
Road from 0 to 5: green light
Road from 5 to 7: green light
Road from 3 to 8: green light
Road from 8 to 9: green light

TURN 6
bicycle, average speed: 40, ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 has left Junction 4.

bicycle, average speed: 40, ID: 2 is moving on Road from 5 to 4. Delay time: 8694.306359349728.
bicycle, average speed: 40, ID: 2 has arrived to Junction 4.
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 is waiting for green light at Junction 2
bus, average speed: 60, ID: 5 is starting route from Junction 4 to Junction 0.
bus, average speed: 60, ID: 5 has left Junction 4.
bus, average speed: 60, ID: 5 is moving on Road from 4 to 0. Delay time: 6697.177340714802.
bus, average speed: 60, ID: 5 has arrived to Junction 0.
bus, average speed: 60, ID: 5 has finished the route. Total time: 6697.177340714802
car, average speed: 90, ID: 6 has left Junction 0.
car, average speed: 90, ID: 6 is moving on Road from 4 to 0. Delay time: 6697.177340714802.
car, average speed: 90, ID: 6 has arrived to Junction 0.
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction 2.
motorcycle, average speed: 120, ID: 7 is waiting for green light at Junction 1
car, average speed: 90, ID: 8 is waiting for green light at Junction 1
car, average speed: 90, ID: 9 is waiting for his priority at Junction 0
car, average speed: 90, ID: 10 has left Junction 4.
car, average speed: 90, ID: 10 is moving on Road from 6 to 4. Delay time: 555.7360751644401.
car, average speed: 90, ID: 10 has arrived to Junction 4.
car, average speed: 90, ID: 11 is waiting for green light at Junction 1
bus, average speed: 60, ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 13 is waiting for green light at Junction 4
car, average speed: 90, ID: 14 has left Junction 4.
car, average speed: 90, ID: 14 is moving on Road from 6 to 4. Delay time: 555.7360751644401.
car, average speed: 90, ID: 14 has arrived to Junction 4.
car, average speed: 90, ID: 15 is waiting for green light at Junction 1
car, average speed: 90, ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 16 is waiting for green light at Junction 3
bus, average speed: 60, ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60, ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90, ID: 19 is starting route from Junction 3 to Junction 7.
car, average speed: 90, ID: 19 has left Junction 3.
car, average speed: 90, ID: 19 is moving on Road from 3 to 1. Delay time: 3613.9114867533517.
car, average speed: 90, ID: 19 has arrived to Junction 1.
bicycle, average speed: 40, ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40, ID: 20 is waiting for green light at Junction 7
bus, average speed: 60, ID: 21 has left Junction 4.
bus, average speed: 60, ID: 21 is moving on Road from 2 to 4. Delay time: 9106.853854882647.
bus, average speed: 60, ID: 21 has arrived to Junction 4.
car, average speed: 90, ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 23 is waiting for his priority at Junction 0
car, average speed: 90, ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90, ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60, ID: 27 is starting route from Junction 1 to Junction 3.

bus, average speed: 60, ID: 27 is waiting for green light at Junction 1
car, average speed: 90, ID: 28 is waiting for green light at Junction 1
car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 is waiting for green light at Junction 7
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is waiting for his priority at Junction 0
bus, average speed: 60, ID: 34 has left Junction 2.
bus, average speed: 60, ID: 34 is moving on Road from 9 to 2. Delay time:
120.6813830752306.
bus, average speed: 60, ID: 34 has arrived to Junction 2.
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 0 to 1: green light
Road from 5 to 2: green light
Road from 8 to 3: green light
Road from 7 to 4: green light
Road from 1 to 5: green light
Road from 6 to 7: green light
Road from 4 to 8: green light
Road from 0 to 9: green light

TURN 7
bicycle, average speed: 40, ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40, ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40, ID: 2 has left Junction 4.
bicycle, average speed: 40, ID: 2 is moving on Road from 5 to 4. Delay time:
8694.306359349728.
bicycle, average speed: 40, ID: 2 has arrived to Junction 4.
bus, average speed: 60, ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40, ID: 4 is starting route from Junction 2 to Junction 4.
bicycle, average speed: 40, ID: 4 has left Junction 2.
bicycle, average speed: 40, ID: 4 is moving on Road from 2 to 0. Delay time:
18683.142258258213.
bicycle, average speed: 40, ID: 4 has arrived to Junction 0.
bus, average speed: 60, ID: 5 stays at Junction 0 - no exiting roads.
car, average speed: 90, ID: 6 is waiting for his priority at Junction 0
motorcycle, average speed: 120, ID: 7 is starting route from Junction 1 to Junction
2.
motorcycle, average speed: 120, ID: 7 has left Junction 1.
motorcycle, average speed: 120, ID: 7 is moving on Road from 1 to 0. Delay time:
1096.2925785788052.
motorcycle, average speed: 120, ID: 7 has arrived to Junction 0.
car, average speed: 90, ID: 8 is waiting for green light at Junction 1
car, average speed: 90, ID: 9 is waiting for his priority at Junction 0
car, average speed: 90, ID: 10 has left Junction 4.
car, average speed: 90, ID: 10 is moving on Road from 6 to 4. Delay time:
555.7360751644401.
car, average speed: 90, ID: 10 has arrived to Junction 4.

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car, average speed: 90,  ID: 11 is waiting for green light at Junction 1
bus, average speed: 60,  ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90,  ID: 13 is starting route from Junction 4 to Junction 1.
car, average speed: 90,  ID: 13 has left  Junction 4.
car, average speed: 90,  ID: 13 is moving on  Road from 4 to 0. Delay time:
6697.177340714802.
car, average speed: 90,  ID: 13 has arrived to Junction 0.
car, average speed: 90,  ID: 14 has left  Junction 4.
car, average speed: 90,  ID: 14 is moving on  Road from 6 to 4. Delay time:
555.7360751644401.
car, average speed: 90,  ID: 14 has arrived to Junction 4.
car, average speed: 90,  ID: 15 is waiting for green light at Junction 1
car, average speed: 90,  ID: 16 is starting route from Junction 3 to Junction 7.
car, average speed: 90,  ID: 16 has left  Junction 3.
car, average speed: 90,  ID: 16 is moving on  Road from 3 to 1. Delay time:
3613.9114867533517.
car, average speed: 90,  ID: 16 has arrived to Junction 1.
bus, average speed: 60,  ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60,  ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90,  ID: 19 is waiting for green light at Junction 1
bicycle, average speed: 40,  ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40,  ID: 20 is waiting for green light at Junction 7
bus, average speed: 60,  ID: 21 has left  Junction 4.
bus, average speed: 60,  ID: 21 is moving on  Road from 2 to 4. Delay time:
9106.853854882647.
bus, average speed: 60,  ID: 21 has arrived to Junction 4.
car, average speed: 90,  ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90,  ID: 23 is waiting for his priority at Junction 0
car, average speed: 90,  ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90,  ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90,  ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60,  ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60,  ID: 27 is waiting for green light at Junction 1
car, average speed: 90,  ID: 28 is waiting for green light at Junction 1
car, average speed: 90,  ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60,  ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120,  ID: 31 has left  Junction 7.
motorcycle, average speed: 120,  ID: 31 is moving on  Road from 6 to 7. Delay time:
3559.619355193073.
motorcycle, average speed: 120,  ID: 31 has arrived to Junction 7.
car, average speed: 90,  ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40,  ID: 33 is waiting for his priority at Junction 0
bus, average speed: 60,  ID: 34 has left  Junction 2.
bus, average speed: 60,  ID: 34 is moving on  Road from 9 to 2. Delay time:
120.6813830752306.
bus, average speed: 60,  ID: 34 has arrived to Junction 2.
car, average speed: 90,  ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90,  ID: 35 is waiting for green light at Junction 2
car, average speed: 90,  ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90,  ID: 36 is waiting for green light at Junction 4
bus, average speed: 60,  ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40,  ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40,  ID: 38 is waiting for green light at Junction 1
car, average speed: 90,  ID: 39 stays at Junction 7 - no exiting roads.
Road from 2 to 1: green light
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Road from 6 to 2: green light
Road from 9 to 3: green light
Road from 8 to 4: green light
Road from 2 to 5: green light
Road from 8 to 7: green light
Road from 5 to 8: green light
Road from 1 to 9: green light

TURN 8
bicycle, average speed: 40,  ID: 0 is waiting for his priority at Junction 0
bicycle, average speed: 40,  ID: 1 stays at Junction 0 - no exiting roads.
bicycle, average speed: 40,  ID: 2 has left  Junction 4.
bicycle, average speed: 40,  ID: 2 is moving on  Road from 5 to 4. Delay time:
8694.306359349728.
bicycle, average speed: 40,  ID: 2 has arrived to Junction 4.
bus, average speed: 60,  ID: 3 stays at Junction 5 - no exiting roads.
bicycle, average speed: 40,  ID: 4 is waiting for his priority at Junction 0
bus, average speed: 60,  ID: 5 stays at Junction 0 - no exiting roads.
car, average speed: 90,  ID: 6 is waiting for his priority at Junction 0
motorcycle, average speed: 120,  ID: 7 has left  Junction 0.
motorcycle, average speed: 120,  ID: 7 is moving on  Road from 1 to 0. Delay time:
1096.2925785788052.
motorcycle, average speed: 120,  ID: 7 has arrived to Junction 0.
car, average speed: 90,  ID: 8 is waiting for green light at Junction 1
car, average speed: 90,  ID: 9 is waiting for his priority at Junction 0
car, average speed: 90,  ID: 10 has left  Junction 4.
car, average speed: 90,  ID: 10 is moving on  Road from 6 to 4. Delay time:
555.7360751644401.
car, average speed: 90,  ID: 10 has arrived to Junction 4.
car, average speed: 90,  ID: 11 is waiting for green light at Junction 1
bus, average speed: 60,  ID: 12 stays at Junction 0 - no exiting roads.
car, average speed: 90,  ID: 13 is waiting for his priority at Junction 0
car, average speed: 90,  ID: 14 has left  Junction 4.
car, average speed: 90,  ID: 14 is moving on  Road from 6 to 4. Delay time:
555.7360751644401.
car, average speed: 90,  ID: 14 has arrived to Junction 4.
car, average speed: 90,  ID: 15 is waiting for green light at Junction 1
car, average speed: 90,  ID: 16 is waiting for green light at Junction 1
bus, average speed: 60,  ID: 17 stays at Junction 0 - no exiting roads.
bus, average speed: 60,  ID: 18 stays at Junction 5 - no exiting roads.
car, average speed: 90,  ID: 19 is waiting for green light at Junction 1
bicycle, average speed: 40,  ID: 20 is starting route from Junction 7 to Junction 6.
bicycle, average speed: 40,  ID: 20 is waiting for green light at Junction 7
bus, average speed: 60,  ID: 21 has left  Junction 4.
bus, average speed: 60,  ID: 21 is moving on  Road from 2 to 4. Delay time:
9106.853854882647.
bus, average speed: 60,  ID: 21 has arrived to Junction 4.
car, average speed: 90,  ID: 22 stays at Junction 0 - no exiting roads.
car, average speed: 90,  ID: 23 is waiting for his priority at Junction 0
car, average speed: 90,  ID: 24 stays at Junction 1 - no exiting roads.
car, average speed: 90,  ID: 25 stays at Junction 1 - no exiting roads.
car, average speed: 90,  ID: 26 stays at Junction 1 - no exiting roads.
bus, average speed: 60,  ID: 27 is starting route from Junction 1 to Junction 3.
bus, average speed: 60,  ID: 27 is waiting for green light at Junction 1
car, average speed: 90,  ID: 28 is waiting for green light at Junction 1
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car, average speed: 90, ID: 29 stays at Junction 7 - no exiting roads.
bus, average speed: 60, ID: 30 stays at Junction 8 - no exiting roads.
motorcycle, average speed: 120, ID: 31 has left Junction 7.
motorcycle, average speed: 120, ID: 31 is moving on Road from 6 to 7. Delay time: 3559.619355193073.
motorcycle, average speed: 120, ID: 31 has arrived to Junction 7.
car, average speed: 90, ID: 32 stays at Junction 7 - no exiting roads.
bicycle, average speed: 40, ID: 33 is waiting for his priority at Junction 0
bus, average speed: 60, ID: 34 has left Junction 2.
bus, average speed: 60, ID: 34 is moving on Road from 9 to 2. Delay time: 120.6813830752306.
bus, average speed: 60, ID: 34 has arrived to Junction 2.
car, average speed: 90, ID: 35 is starting route from Junction 2 to Junction 7.
car, average speed: 90, ID: 35 is waiting for green light at Junction 2
car, average speed: 90, ID: 36 is starting route from Junction 4 to Junction 1.
car, average speed: 90, ID: 36 is waiting for green light at Junction 4
bus, average speed: 60, ID: 37 stays at Junction 8 - no exiting roads.
bicycle, average speed: 40, ID: 38 is starting route from Junction 1 to Junction 3.
bicycle, average speed: 40, ID: 38 is waiting for green light at Junction 1
car, average speed: 90, ID: 39 stays at Junction 7 - no exiting roads.
Road from 3 to 1: green light
Road from 7 to 2: green light
Road from 0 to 3: green light
Road from 9 to 4: green light
Road from 3 to 5: green light
Road from 9 to 7: green light
Road from 6 to 8: green light
Road from 2 to 9: green light

STATUS
bicycle, average speed: 40, ID: 0. Position: Junction 0 .Current Route: from Junction 9 to Junction 4. Time spent: 18854.975095630696.
bicycle, average speed: 40, ID: 1. Position: Junction 0 .Current Route: from Junction 0 to Junction 0. Time spent: 8.0.
bicycle, average speed: 40, ID: 2. Position: Junction 4 .Current Route: from Junction 5 to Junction 6. Time spent: 43471.53179674864.
bus, average speed: 60, ID: 3. Position: Junction 5 .Current Route: from Junction 5 to Junction 5. Time spent: 8.0.
bicycle, average speed: 40, ID: 4. Position: Junction 0 .Current Route: from Junction 2 to Junction 4. Time spent: 18684.142258258213.
bus, average speed: 60, ID: 5. Position: Junction 0 .Current Route: from Junction 0 to Junction 0. Time spent: 6699.177340714802.
car, average speed: 90, ID: 6. Position: Junction 0 .Current Route: from Junction 4 to Junction 1. Time spent: 13396.354681429604.
motorcycle, average speed: 120, ID: 7. Position: Junction 0 .Current Route: from Junction 1 to Junction 2. Time spent: 2192.5851571576104.
car, average speed: 90, ID: 8. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3633.9114867533517.
car, average speed: 90, ID: 9. Position: Junction 0 .Current Route: from Junction 8 to Junction 1. Time spent: 15436.303504075451.
car, average speed: 90, ID: 10. Position: Junction 4 .Current Route: from Junction 6 to Junction 7. Time spent: 2222.9443006577603.
car, average speed: 90, ID: 11. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3641.9114867533517.

bus, average speed: 60, ID: 12. Position: Junction 0 .Current Route: from Junction 0 to Junction 0. Time spent: 8.0.
car, average speed: 90, ID: 13. Position: Junction 0 .Current Route: from Junction 4 to Junction 1. Time spent: 6698.177340714802.
car, average speed: 90, ID: 14. Position: Junction 4 .Current Route: from Junction 6 to Junction 7. Time spent: 2222.9443006577603.
car, average speed: 90, ID: 15. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3641.9114867533517.
car, average speed: 90, ID: 16. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3617.9114867533517.
bus, average speed: 60, ID: 17. Position: Junction 0 .Current Route: from Junction 0 to Junction 0. Time spent: 8.0.
bus, average speed: 60, ID: 18. Position: Junction 5 .Current Route: from Junction 5 to Junction 5. Time spent: 10368.476653942069.
car, average speed: 90, ID: 19. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3621.9114867533517.
bicycle, average speed: 40, ID: 20. Position: Junction 7 .Current Route: from Junction 7 to Junction 6. Time spent: 6.0.
bus, average speed: 60, ID: 21. Position: Junction 4 .Current Route: from Junction 2 to Junction 0. Time spent: 36427.41541953059.
car, average speed: 90, ID: 22. Position: Junction 0 .Current Route: from Junction 0 to Junction 0. Time spent: 8.0.
car, average speed: 90, ID: 23. Position: Junction 0 .Current Route: from Junction 8 to Junction 1. Time spent: 15436.303504075451.
car, average speed: 90, ID: 24. Position: Junction 1 .Current Route: from Junction 1 to Junction 1. Time spent: 8.0.
car, average speed: 90, ID: 25. Position: Junction 1 .Current Route: from Junction 1 to Junction 1. Time spent: 8.0.
car, average speed: 90, ID: 26. Position: Junction 1 .Current Route: from Junction 1 to Junction 1. Time spent: 8.0.
bus, average speed: 60, ID: 27. Position: Junction 1 .Current Route: from Junction 1 to Junction 3. Time spent: 4.0.
car, average speed: 90, ID: 28. Position: Junction 1 .Current Route: from Junction 3 to Junction 7. Time spent: 3637.9114867533517.
car, average speed: 90, ID: 29. Position: Junction 7 .Current Route: from Junction 7 to Junction 7. Time spent: 8.0.
bus, average speed: 60, ID: 30. Position: Junction 8 .Current Route: from Junction 8 to Junction 8. Time spent: 8.0.
motorcycle, average speed: 120, ID: 31. Position: Junction 7 .Current Route: from Junction 6 to Junction 0. Time spent: 10708.858065579218.
car, average speed: 90, ID: 32. Position: Junction 7 .Current Route: from Junction 7 to Junction 7. Time spent: 8.0.
bicycle, average speed: 40, ID: 33. Position: Junction 0 .Current Route: from Junction 9 to Junction 4. Time spent: 18851.975095630696.
bus, average speed: 60, ID: 34. Position: Junction 2 .Current Route: from Junction 9 to Junction 0. Time spent: 724.0882984513835.
car, average speed: 90, ID: 35. Position: Junction 2 .Current Route: from Junction 2 to Junction 7. Time spent: 1.0.
car, average speed: 90, ID: 36. Position: Junction 4 .Current Route: from Junction 4 to Junction 1. Time spent: 0.0.
bus, average speed: 60, ID: 37. Position: Junction 8 .Current Route: from Junction 8 to Junction 8. Time spent: 8.0.
bicycle, average speed: 40, ID: 38. Position: Junction 1 .Current Route: from Junction 1 to Junction 3. Time spent: 4.0.

car, average speed: 90, ID: 39. Position: Junction 7 .Current Route: from Junction 7 to Junction 7. Time spent: 8.0.