

Mi Time

Make U R Life

Contents

- Why did we make Mi Time
- Basic Concept of Mi Time
- How to Collect the Data
- How to Process the data
- Algorithm of Mi Time
- Purpose of Mi Time

Why did we make Mi Time

- Making Good Time Table is important Factor for Success Semester
- Last Yr, Our Univ. intruduced New mileage sys to enroll the courses
- > So, we need new kind of Timetable

Basic concept of Mi Time

- "Mi Time" is compound of mileage and Time Table
- Mi Time is including the data of Mileage and it will be able to recommend Best Timetable to User

How to Collect the data

TextWrangler File Edit View Search Go Window Help Stop Recording 95% Sun 12:49 PM Mac

File Path : ~/Documents/ CP/결과/10000.txt

10000.txt

```

1  * 2016-1학기 마일리지 수강신청결과
2  학정번호-분반-실습 과목명 학점 담당교수 강의시간 강의실 정원 참여
3  인원 전공자
4  정원 학년별정원 교환학생
5  가능여부 Max
6  Mileage 마일리지
7  1 2 3 4 최소값 최대값 평균값
8  CSI2100-02-00 컴퓨터프로그래밍 3 김선주 목5,6(화7,8(화7,8) 공A663(공A213(공B017) 60 92 0 0 0 0 0 0 0 0 36 1 36 13.4
9
10 * 정원, 전공자정원, 학년별정원은 수강신청기간동안 적용된 값이며, 추가수강신청 및 수강변경 기간에 적용되는
11 학년별 정원 등의 값 (잔여석)은 과목 개설학과에 결정에 따라 변경될 수 있으므로 개설과목에서 검색하여 확인하시기 바랍니다.
12 * 본인이 신청했던 전체 과목의 마일리지는 학사포털시스템의 교과/수강 - 마일리지신청내역 화면에서 확인할 수 있습니다.
13
14 마일리지 순위 결과
15 순위 마일리지 전공자/복수전공자
16 (전공자정원포함여부) 신청
17 과목수 졸업신청 초수강여부 총이수학점/
18 졸업이수학점 직전학기이수학점/
19 학기당수강학점 학년 수강여부 비교
20 1 36 N(N) 6 N Y 0.373 0.8333 2 0
21 2 36 N(N) 6 N Y 0.2619 0.7777 2 0
22 3 36 N(N) 5 N Y 0.3333 1.0 2 0
23 4 27 N(N) 3 Y Y 1.0 1.0 4 0
24 5 25 N(N) 6 N Y 0.2785 1.0 2 0
25 6 22 N(N) 6 N Y 0.6074 1.0 3 0
26 7 21 N(N) 6 N Y 0.6269 1.0 3 0
27 8 20 N(N) 6 N Y 0.5259 0.9473 3 0
28 9 20 N(N) 6 N Y 0.474 0.7368 3 0
29 10 20 N(N) 6 N Y 0.2666 0.9473 2 0
30 11 20 N(N) 5 N N 0.3428 0.7894 3 0
31 12 19 N(N) 5 N Y 0.75 0.875 4 0
32 13 19 N(N) 5 N Y 0.5158 1.0 3 0
33 14 18 N(N) 6 N Y 0.8666 0.7368 4 0
34 15 18 N(N) 5 N Y 0.5 0.9722 3 0
35 16 18 N(N) 5 N Y 0.5 0.875 3 0
36 17 16 N(N) 6 N Y 0.7698 1.0 4 0
37 18 16 N(N) 6 N Y 0.5428 0.5789 3 0
38 19 16 N(N) 6 N Y 0.3925 0.9473 2 0
39 20 16 N(N) 6 N Y 0.3037 1.0 2 0
40 21 16 N(N) 5 N Y 0.6587 0.9444 3 0
41 22 15 N(N) 6 N Y 0.5634 1.0 3 X
42 23 15 N(N) 6 N Y 0.2857 0.7894 3 X
43 24 15 N(N) 6 N Y 0.2698 0.7777 2 X
44 25 15 N(N) 6 N N 0.6 0.7894 3 X

```

Max Mileage	마일리지		
	최소값	최대값	평균값
36	1	36	13.47

Line 111 Col 55 Text File Unicode (UTF-8) Unix (LF) Last saved: 6/5/16, 12:48:59 PM 3,861 / 1,129 / 111 100%



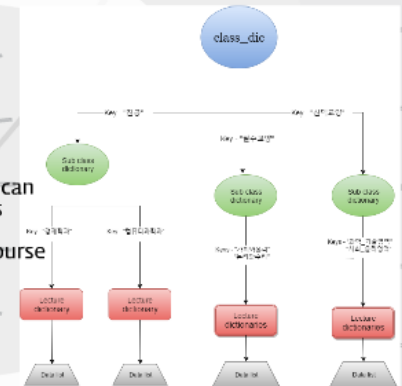
Algorithm of Mi Time(2/2)

- Input the requisites
- Input the Electives
- > top priority is between class & requisites



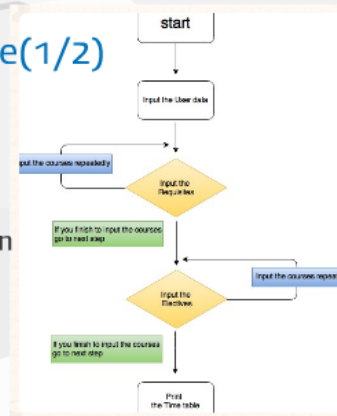
Data structure

- Data structure : Tree
- Using Key value, User can enter the Sub data class
- Lastly, User can see course data



Algorithm of Mi Time(1/2)

- Input the User data
Major
Grade
Mileage
- Check the "Between Classes"("공강")

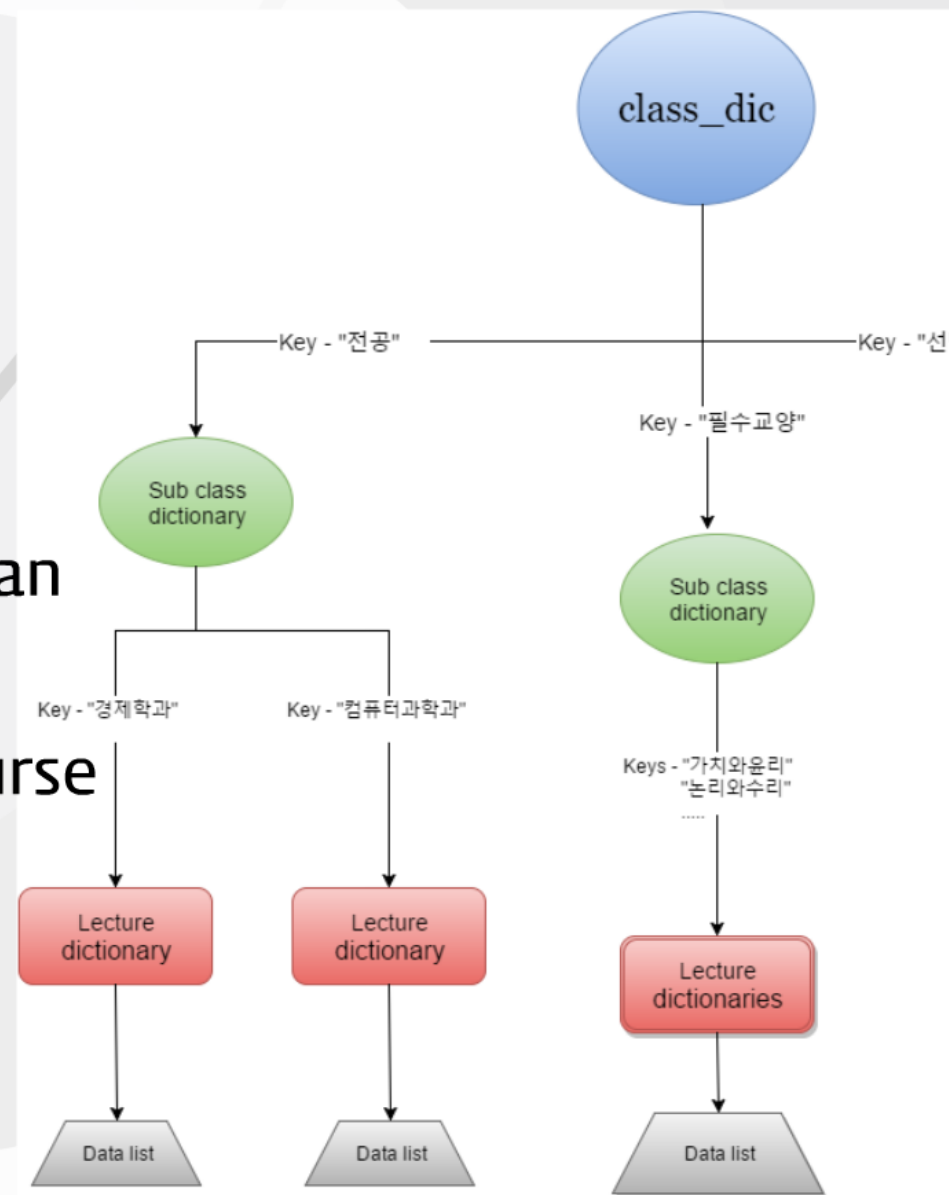


Simulating Mi Time



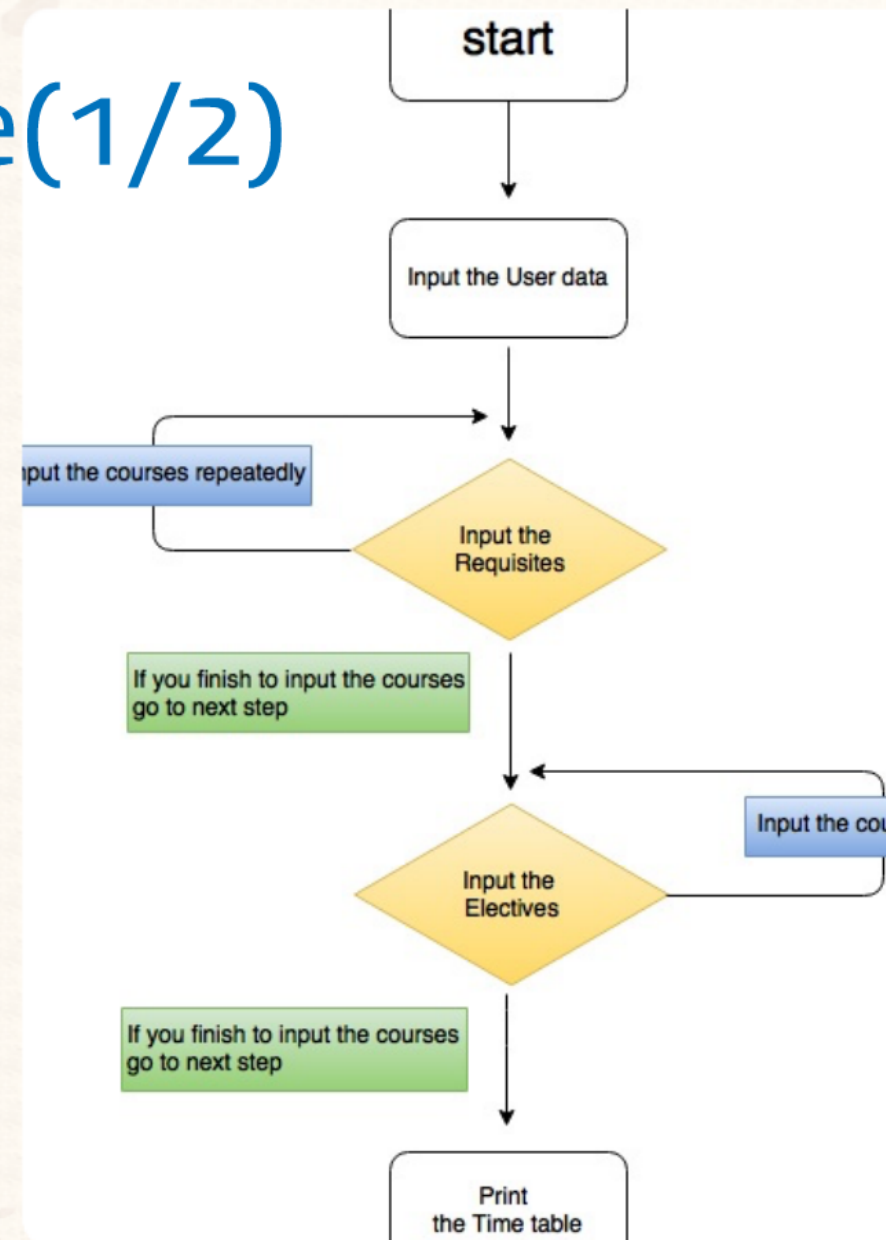
Data structure

- Data structure : Tree
- Using Key value, User can enter the Sub data class
- Lastly, User can see course data



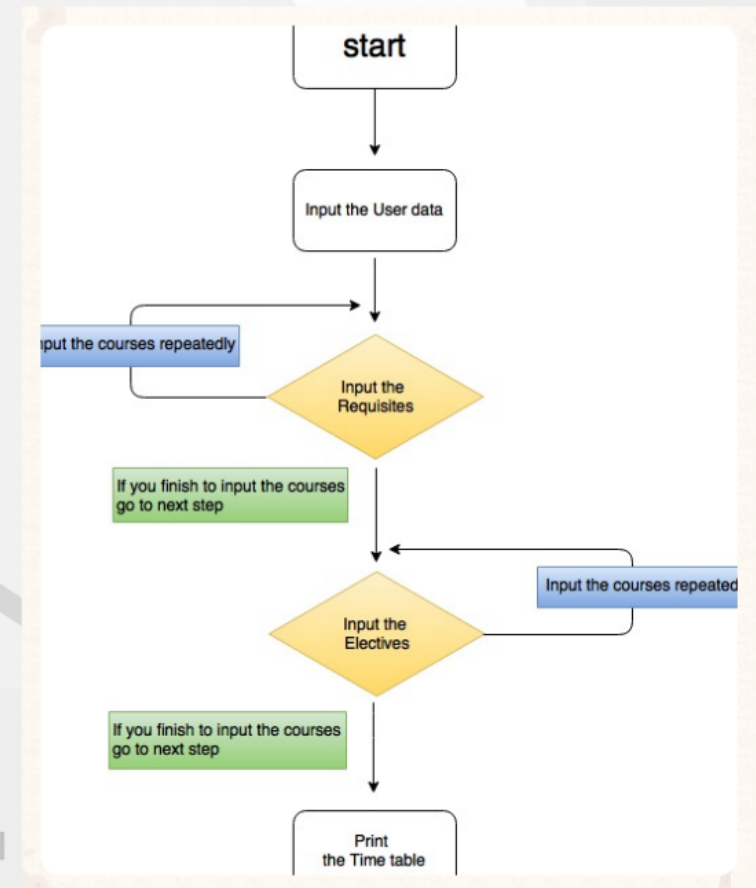
Algorithm of Mi Time(1/2)

- Input the User data
Major
Grade
Mileage
- Check the "Between Classes"("공강")



Algorithm of Mi Time(2/2)

- Input the requisites
 - Input the Electives
- > top priority is between class & requisites



Simulating Mi Time

```
Python 3.5.1 (v3.5.1:37a07cee5969, Dec 5 2015, 21:12:44)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/mac/Documents/workspace 4/main.py =====

Major List
0: 컴퓨터과학과
1: 경제학과

Please input number of your Major : 0

Please input your grade(1~4) : 2

Please input your available mileage(1~76) : 76

MI TIME
1 : Change user data
2 : Input empty time(don't want to take a class at this time)
3 : Enter essential lecture
4 : Enter optional lecture(at least set of 2 lectures)
5 : User Status
6 : Print timetable
7 : Read data from txt file
8 : Write data to txt file
9 : Create Html file to visualization
0 : Quit

Please enter a number of action that you want : 2
Choose a day that you want to add a empty class
0 : Monday
1 : Tuesday
2 : Wednesday
3 : Thursday
4 : Friday
5 : Saturday

Enter the number of day : 0

Enter the period of empty class you want(if you want to set
```



Ln: 40 Col: 97

Purpose of Project(2/3)

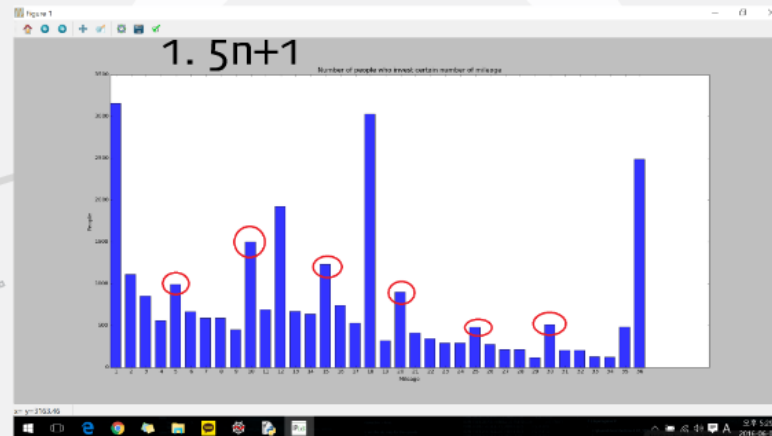
2. 99th/520 (applicants / quota)

- 1th Pilates
- 2nd Yoga
- 3rd Reading the recommended books

Purpose of Project(3/3)

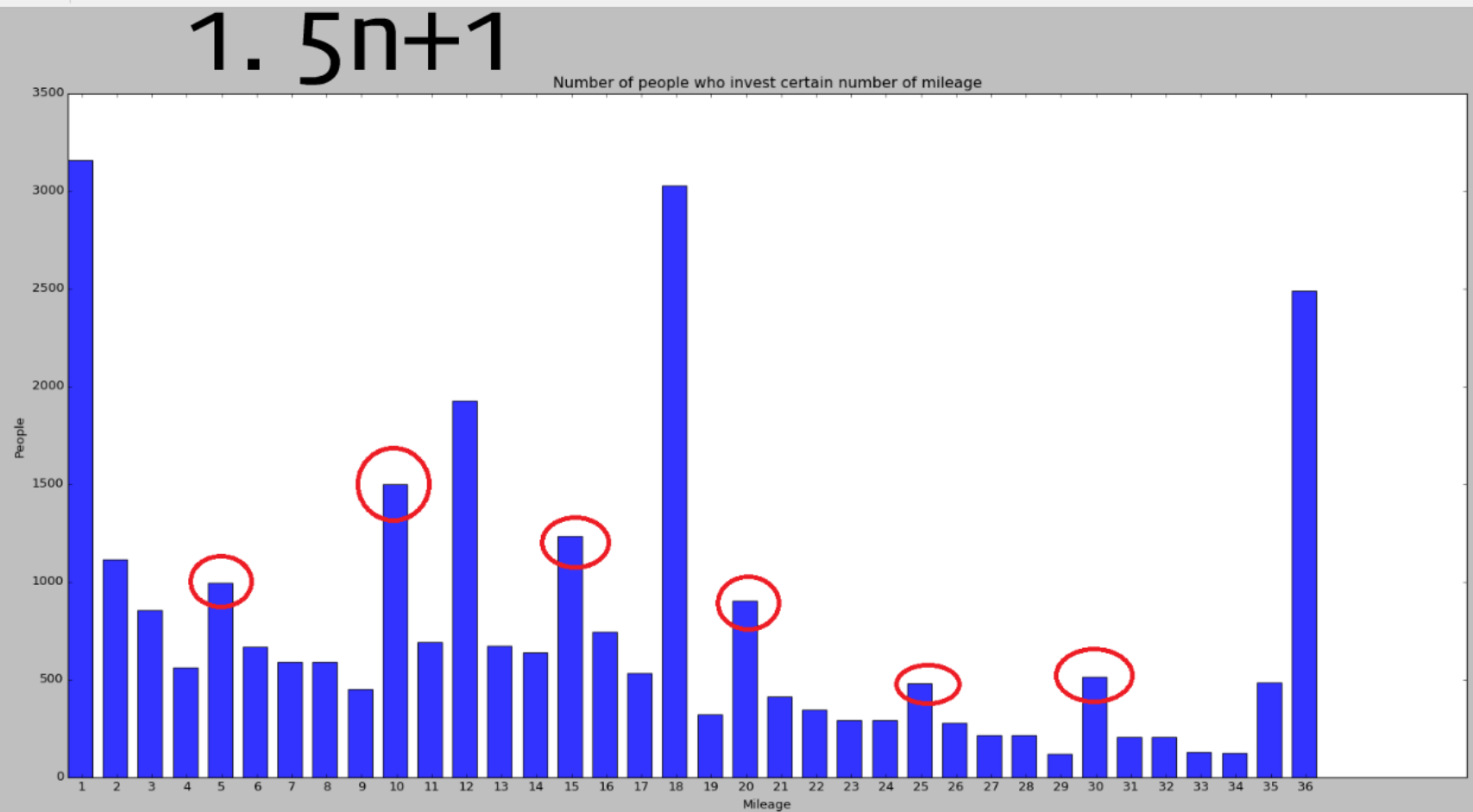
- As you see, Mi Time is different with other Gui Timetable, more active and calculate
- Using Mi Time, Student can analyze data of courses diversely (ex. which course is favorite, so student can avoid to enroll favorite courses)
- In terms of modules, Programmer can easily and continually correct and add new Function
- Mi Time will help Users to decrease risk of failure, when User assign the

Purpose of Project(1/3)



Purpose of Project(1/3)

Figure 1



Purpose of Project(2/3)

2. 99th/520 (applicants / quota)

- 1th Pilates
- 2nd Yoga
- 3rd Reading the recommended books

Purpose of Project(3/3)

- As you see, Mi Time is different with other Gui Timetable, more active and calculate
- Using Mi Time, Student can analyze data of courses diversely (ex. which course is favorite, so student can avoid to enroll favorite courses)
- In terms of modules, Programmer can easily and continually correct and add new Function
- Mi Time will help Users to decrease risk of failure , when User assign the mileage

Mi Time

Make U R Life

Contents

- Why did we make Mi Time
- Basic Concept of Mi Time
- How to Collect the Data
- How to Process the data
- Algorithm of Mi Time
- Purpose of Mi Time

Why did we make Mi Time

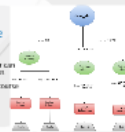
- Making Cool Time Table is Important Factor for Success Semester
- Last Yr. Our Univ. Introduced New on Page app to create the courses
- > So, we need new kind of timetable

Basic Concept of the Data

How to Collect the Data

Data structure

- Data structure : Tree
- Using Key value, user can enter the Sub-data class
- Lastly, User can view course data



Algorithm of Mi Time(1/2)

- Input the User data
Major
Grade
Mileage
- Check the "Between Classes" ("8-9")



Algorithm of Mi Time(2/2)

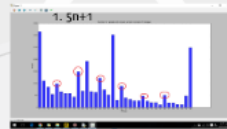
- Input the requisites
- Input the Electives
- > top priority is between class & requisites



Simulating Mi Time



Purpose of Project(1/3)



Purpose of Project(2/3)

- 2. 99th/520 (applicants / seats)
- 1st Pilates
- 2nd Yoga
- 3rd Reading the recommended books

Purpose of Project(3/3)

- 3. 1st/2nd/3rd (1st/2nd/3rd)
- 1st/2nd/3rd (1st/2nd/3rd)
- 1st/2nd/3rd (1st/2nd/3rd)
- 1st/2nd/3rd (1st/2nd/3rd)