

FCP PART 2 PROJECT

Group 21(G21)



1. Introduction

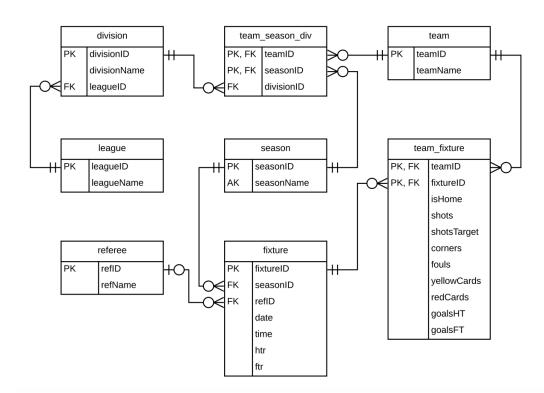
From the given notes as per the FCP2 project document, the below notes are included as guide in creating the tables and to generate the tables as per the created table.

- Matches are often termed "fixtures" in european football.
- Assume times in the dataset are GMT (i.e., you don't need to account for times being in different time zones depending on where the game is played).
- In the dataset on the course MySQL server, date is formatted as yyyy-mm-dd (unlike the CSV dataset files).
- isHome in the team_fixture entity specifies whether the teamID in that fixture is the home team. If not, then it can be assumed they are the away team for that fixture.
- teamID, fixtureID, refID, leagueID, and seasonID are SKs and should be designed into your database accordingly, whereas divisionID uses data provided in the dataset.
- I am making an assumption that seasons across leagues and divisions are the same (e.g., 2022/2023). In reality, seasons may have different start and end dates, etc., in which case some changes would occur in the model.

2. Logical ER diagram

The given logical ER diagram as seen below, the diagram shows only the entities and their cardinality and relationship which helps us to write and create the table code and data table generation.

ISQS 6338 (D20 & D21) FCP 2023 - European Football Model



3. Project completion MySQL code:

The written MySQL code consists of create data tables, temporary table creation and data generation code with all functionalities in joining of tables, inserting values without hardcoding and update function accordingly. And in each of the data table output was exported to this document from the MySQL database using the export function.

As this formal submission document, moreover, we will attach the .sql file in our submission for you to rerun for your evaluation.

```
-- Create Team table
CREATE TABLE G21.Team (
  teamID INT PRIMARY KEY AUTO INCREMENT,
  teamName ENUM('homeTeam', 'awayTeam')
);
INSERT INTO G21.Team (teamID, teamName) VALUES (1,
'homeTeam'):
INSERT INTO G21.Team (teamID, teamName) VALUES (2,
'awayTeam');
-- Check the created Team
select * from G21.Team;
-- Create League table
CREATE TABLE G21.League1 (
 leagueID INT PRIMARY KEY auto increment,
 leagueName VARCHAR(255)
);
INSERT INTO G21.League1 (leagueName)
SELECT DISTINCT league AS leagueName
FROM fcp 2023.results csv;
-- Check the created League1
select * from G21.League1;
```

```
-- Create Division table
CREATE TABLE G21. Division (
 divisionID VARCHAR(3) PRIMARY KEY,
 divisionName VARCHAR(255),
 leagueID INT.
 FOREIGN KEY (leagueID) REFERENCES League(leagueID)
);
INSERT INTO G21. Division (divisionID, divisionName)
SELECT DISTINCT 'div' AS divisionID ,league as divisionName
FROM fcp 2023.results csv;
UPDATE G21.Division a
JOIN G21.League1 b ON a.divisionName = b.leagueName
SET a.leagueID = b.leagueID
where a.leagueID is NULL;
-- Check the created Division
select * from G21.Division;
-- Create Season table
CREATE TABLE G21.Season (
 seasonID INT PRIMARY KEY auto increment.
 seasonName VARCHAR(255)
);
INSERT INTO G21.Season (seasonName)
SELECT DISTINCT season AS seasonName
FROM fcp 2023.results csv;
-- Check the created Season
select * from G21.Season;
-- Create team_season_div table
```

```
CREATE TABLE G21.team season div AS
SELECT
  T.teamID,
  S.seasonID.
  D.divisionID
FROM
  G21.Team T
CROSS JOIN
  G21.Season S
CROSS JOIN
  G21.Division D
  order by T.teamID, S.seasonID, D.divisionID;
-- Check the created team season div
select * from G21.team_season_div;
-- Step 1: Create a temporary table to store the team mapping data for home teams
CREATE TEMPORARY TABLE G21.temp results csv AS
SELECT
  CASE WHEN homeTeam IS NOT NULL THEN 1
  ELSE NULL END AS teamID.
  CASE WHEN awayTeam IS NOT NULL THEN 2
     ELSE NULL END AS teamID1.
  ROW NUMBER() OVER () AS fixtureID
FROM fcp 2023.results csv;
-- Create Referee table
CREATE TABLE G21.Referee1 (
 refID INT PRIMARY KEY auto increment,
 refName VARCHAR(255)
);
```

```
CREATE TEMPORARY TABLE G21.temp_table AS SELECT fixtureID as refID ,referee as refName FROM G21.temp_results_csv;
```

INSERT ignore INTO G21.Referee1 (refID,refName) SELECT refID ,refName FROM G21.temp table;

UPDATE G21.Referee1 a
left JOIN G21.temp_table b ON a.refID = b.refID
SET a.refID = b.refID
where a.refID is NULL and a.refName is NULL;

create table G21.Referee2 as select b.refID,b.refName from G21.Referee1 a JOIN G21.temp_table b on a.refID=b.refID;

-- Drop the temporary table .

DROP TEMPORARY TABLE IF EXISTS G21.temp table;

-- Check the Referee1

select * from G21.Referee1;

-- Create Fixture table

```
CREATE TABLE G21.Fixture1 (
fixtureID INT PRIMARY KEY auto_increment,
seasonID INT ,
refID INT,
date DATE,
time TIME,
htr VARCHAR(255),
ftr VARCHAR(255),
```

```
FOREIGN KEY (seasonID) REFERENCES Season(seasonID),
 FOREIGN KEY (refID) REFERENCES Referee(refID)
-- Step 1: Create a temporary table to generate fixtureID and seasonID combinations
CREATE TEMPORARY TABLE G21.TempFixtureSeason AS
SELECT
  F.*.
  S.seasonID
FROM
  G21.temp results csv F
JOIN
  G21.Season S on
  F.season=S.seasonName;
-- Step 2: Create a temporary table to generate refID
CREATE TEMPORARY TABLE G21.TempFixtureSeason1 AS
SELECT
F.fixtureID.
F.seasonID,
F.referee.
F.date,
F.time,
F.htr,
F.ftr.
S.refName,S.refID
FROM
  G21.TempFixtureSeason F
LEFT JOIN
  G21.Referee1 S
  on S.refID=F.fixtureID;
INSERT IGNORE INTO G21. Fixture 1 (fixture ID,
seasonID,refID,date, time, htr, ftr)
SELECT
```

```
T.fixtureID,
T.seasonID.
T.refID,
T.date.
T.time.
T.htr,
T.ftr
FROM
  G21.TempFixtureSeason1 T
  order by T.fixtureID ,T.refID,T.seasonID;
-- Drop the temporary table.
DROP TEMPORARY TABLE IF EXISTS
G21.TempFixtureSeason1;
DROP TEMPORARY TABLE IF EXISTS
G21.TempFixtureSeason;
-- Check the Fixure1
select * from G21.Fixture1;
-- Create team fixture table
CREATE TABLE G21.team fixture (
 teamID INT,
 fixtureID INT,
 isHome ENUM('Yes', 'No'),
 shots INT,
 shotsTarget INT,
 corners INT.
 fouls INT,
 vellowCards INT.
 redCards INT,
 goalsHT INT,
 goalsFT INT,
 PRIMARY KEY (teamID, fixtureID),
 FOREIGN KEY (teamID) REFERENCES G21.Team(teamID),
```

```
FOREIGN KEY (fixtureID) REFERENCES G21.Fixture(fixtureID)
);
CREATE TEMPORARY TABLE G21.temp team mapping AS
SELECT
  CASE WHEN tf.teamID IS NULL THEN 1 END AS teamID,
  CASE WHEN tf.fixtureID IS NULL THEN trc.fixtureID END AS
fixtureID
FROM G21.team fixture AS tf
RIGHT JOIN G21.temp results csv AS trc ON trc.teamID = 1;
INSERT INTO G21.team fixture (
  teamID.
  fixtureID,
  isHome,
  shots.
  shotsTarget,
  corners,
  fouls,
  vellowCards.
  redCards,
  goalsHT,
  qoalsFT
SELECT
  T.teamID.
  T.fixtureID.
  'Yes' AS isHome.
  T.HS AS shots.
  T.HST AS shotsTarget,
  T.HC AS corners.
  T.HF AS fouls.
  T.HY AS yellowCards,
  T.HR AS redCards,
```

```
T.HTHG AS goalsHT,
  T.FTHG AS goalsFT
FROM
  G21.temp results csv T
WHERE
  T.teamID = 1
ON DUPLICATE KEY UPDATE
  isHome = 'Yes',
  shots = VALUES(shots),
  shotsTarget = VALUES(shotsTarget),
  corners = VALUES(corners),
  fouls = VALUES(fouls),
  yellowCards = VALUES(yellowCards),
  redCards = VALUES(redCards),
  goalsHT = VALUES(goalsHT),
  goalsFT = VALUES(goalsFT);
```

ALTER TABLE G21.team_fixture ADD CONSTRAINT unique_team_fixture UNIQUE (teamID, fixtureID);

- -- Drop optional in between tables here like temp_results_csv DROP TEMPORARY TABLE IF EXISTS G21.temp_results_csv;
- -- Check for team_fixture select * from G21.team fixture;

4. Generated data tables

4.1. Team data table

teamID	teamName
1	homeTeam
2	awayTeam

4.2.Leagues data table

leagueID	leagueName
1	German
2	English
3	Spanish

4.3. Division data table

divisionID	divisionName	leagueID
D1	German	1
D2	German	1
E0	English	2
E1	English	2
SP1	Spanish	3
SP2	Spanish	3

4.4. Season data table

seasonID	seasonName
1	2022/2023
2	2021/2022
3	2020/2021

4.5.team_season_div data table

teamID	seasonID	divisionID
1	1	D1
1	1	D2
1	1	E0
1	1	E1
1	1	SP1
1	1	SP2
1	2	D1
1	2	D2
1	2	E0
1	2	E1
1	2	SP1
1	2	SP2
1	3	D1
1	3	D2

1	3	E0
1	3	E1
1	3	SP1
1	3	SP2
2	1	D1
2	1	D2
2	1	E0
2	1	E1
2	1	SP1
2	1	SP2
2	2	D1
2	2	D2
2	2	E0
2	2	E1
2	2	SP1
2	2	SP2
2	3	D1
2	3	D2
2	3	E0
2	3	E1
2	3	SP1
2	3	SP2

4.6.Referee data table

refID	refName
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32	
33	
34	
35	
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38	
39	P Bankes
40	P Tierney
41	M Oliver
42	M Oliver
43	A Taylor
44	G Scott
45	M Oliver
46	A Taylor
47	J Moss
48	M Oliver
49	K Friend
50	M Oliver
51	P Bankes
52	C Pawson
53	R Jones
54	C Kavanagh

55	P Bankes
56	M Atkinson
57	C Pawson
58	A Marriner
59	P Tierney
60	D Webb
61	D Webb
62	D Bond
63	D Webb
64	J Gillett
65	T Robinson
66	J Linington
67	D Webb
68	M Donohue
69	J Busby
70	A Davies
71	T Robinson
72	T Robinson
73	D Whitestone
74	J Linington
75	J Simpson
76	G Eltringham
77	T Robinson
78	G Eltringham
79	S Hooper
80	J Moss
81	J Brooks
82	D Whitestone
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4.7. Fixture data table

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fixtureID	seasonID	refID	date	time	htr	ftr
1	1	1	2023-01- 25	19:30:00	D	Α
2	1	2	2023-03- 31	19:30:00	D	D
3	1	3	2023-02- 18	14:30:00	Α	Α
4	1	4	2023-04- 22	14:30:00	Α	Α
5	1	5	2022-08- 21	16:30:00	Α	Α
6	1	6	2022-11- 12	14:30:00	Н	Н
7	1	7	2023-03- 04	14:30:00	Н	Н
8	1	8	2022-09- 17	14:30:00	D	Н
9	2	9	2021-08- 21	14:30:00	Α	D
10	2	10	2022-01- 15	17:30:00	D	Α
11	2	11	2022-04- 17	16:30:00	D	D
12	2	12	2022-04- 06	17:30:00	Н	Н
13	2	13	2021-11- 20	17:30:00	Н	Н
14	2	14	2022-05- 14	14:30:00	Α	D
15	3	15	2021-04- 03	14:30:00	Н	Н
16	3	16	2020-10- 04	14:30:00	D	D
17	3	17	2021-05- 08	17:30:00	Н	Н
18	3	18	2021-04- 21	19:30:00	Α	Н
19	3	19	2021-04- 21	19:30:00	Α	Α
20	3	20	2021-02- 06	14:30:00	Α	Α
21	1	21	2023-04- 23	12:30:00	D	D
22	1	22	2022-08- 07	12:30:00	D	Α
23	1	23	2022-08- 27	12:00:00	Н	D
24	1	24	2023-04- 29	12:00:00	D	Н
25	1	25	2023-03- 12	12:30:00	D	Α

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26	1	26	2022-10-	17:30:00	Н	Н
			28			
32	2	32	2021-11- 07	12:30:00	Α	Α
33	3	33	2021-01- 29	17:30:00	Н	Н
34	3	34	2021-04- 18	12:30:00	Н	Н
35	3	35	2021-02- 12	17:30:00	D	D
36	3	36	2021-04- 24	12:00:00	Н	Н
37	3	37	2021-04- 11	12:30:00	Α	D
38	3	38	2021-03- 05	17:30:00	D	Α
39	1	39	2023-01- 01	16:30:00	Α	D
40	1	40	2022-12- 26	17:30:00	Α	Α
41	1	41	2023-01- 21	12:30:00	D	D
42	1	42	2022-11- 06	12:00:00	D	Α
43	1	43	2022-10- 01	12:30:00	D	Н
44	1	44	2022-10- 15	15:00:00	Α	D
45	2	45	2022-05- 22	16:00:00	Α	Н
46	2	46	2021-08- 21	17:30:00	Н	Н
47	2	47	2021-08- 14	15:00:00	Н	Н
48	2	48	2022-03- 06	16:30:00	Н	Н
49	2	49	2022-01- 23	14:00:00	Α	Α
50	2	50	2021-09- 11	15:00:00	D	Н
51	2	51	2022-01- 22	15:00:00	D	Α
52	3	52	2021-03- 15	20:00:00	Α	Α
53	3	53	2021-03- 03	18:00:00	Н	Н
54	3	54	2021-01- 26	20:15:00	Α	Α
55	3	55	2021-01- 27	20:15:00	Α	Α
56	3	56	2021-02- 03	18:00:00	Α	Α

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57	3	57	2020-09- 14	20:15:00	Α	Α
63	1	63	2023-02-	20:00:00	D	D
64	1	64	2023-01-	20:00:00	Α	Н
65	1	65	2022-10-	15:00:00	Н	Α
66	1	66	2023-02- 25	15:00:00	Н	Н
67	1	67	2022-10- 19	20:00:00	Н	Н
68	2	68	2022-01- 15	12:30:00	Α	Α
69	2	69	2021-12- 18	15:00:00	Α	Н
70	2	70	2021-09- 18	15:00:00	D	D
71	2	71	2022-01- 15	15:00:00	Н	Н
72	2	72	2022-03- 12	12:30:00	Н	D
73	2	73	2022-03- 12	15:00:00	D	D
74	3	74	2021-02- 20	15:00:00	D	Α
75	3	75	2021-02- 16	19:45:00	Н	Н
76	3	76	2021-03- 12	19:45:00	Α	Α
77	3	77	2020-12- 19	12:30:00	Н	Н
78	3	78	2021-01- 30	15:00:00	D	D
79	3	79	2020-10- 21	19:45:00	Α	D
80	3	80	2021-03- 06	12:30:00	Н	Н
81	3	81	2021-04- 25	12:00:00	Н	D
82	3	82	2021-04- 24	15:00:00	Н	Н
83	1	83	2022-09- 11	13:00:00	D	Н
84	1	84	2023-03- 12	17:30:00	Α	D
85	1	85	2023-03- 19	20:00:00	D	Н
86	1	86	2023-05- 28	18:00:00	D	D
87	1	87	2022-09- 10	15:15:00	Α	Α

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88	1	88	2023-04-	18:30:00	Α	Н
00	'	00	24	18.30.00	^	"
94	2	94	2022-04- 02	20:00:00	Н	Н
95	2	95	2022-02- 20	13:00:00	Α	D
96	2	96	2022-02- 27	20:00:00	Н	Н
97	2	97	2021-11- 27	20:00:00	D	Α
98	3	98	2021-01- 24	13:00:00	Н	Н
99	3	99	2021-02- 01	20:00:00	D	Н
100	3	100	2020-09- 27	15:00:00	Н	Н
101	3	101	2021-04- 21	19:00:00	D	D
102	3	102	2021-05- 07	20:00:00	D	Н
103	3	103	2020-11- 08	15:15:00	Н	Н
104	1	104	2023-03- 05	17:30:00	D	Α
105	1	105	2022-08- 21	16:30:00	D	Н
106	1	106	2023-05- 28	15:15:00	Α	Α
107	1	107	2022-11- 20	18:00:00	D	D
108	1	108	2023-03- 11	17:30:00	D	D
109	1	109	2023-05- 20	17:30:00	D	Н
110	1	110	2022-11- 03	20:00:00	D	D
111	1	111	2023-04- 16	13:00:00	Н	Н
112	2	112	2022-05- 01	17:15:00	Н	Н
113	2	113	2022-03- 27	20:00:00	Α	Α
114	2	114	2022-04- 30	19:30:00	Α	Α
115	2	115	2021-11- 22	20:00:00	Α	Α
116	2	116	2022-05- 14	20:00:00	Α	Α
117	2	117	2021-10- 17	15:00:00	Α	Α
118	3	118	2021-05- 30	20:00:00	Α	Α

119	3	119	2021-05- 30	20:00:00	D	D
120	3	120	2021-02- 21	17:15:00	I	Η
121	3	121	2021-02- 13	19:30:00	D	Η
122	3	122	2020-09- 27	17:15:00	Н	Н
123	3	123	2021-05- 19	20:30:00	Α	Α
124	3	124	2020-09- 27	17:15:00	D	Α
125	3	125	2020-12- 13	15:00:00	D	Н
126	3	126	2020-12- 21	20:30:00	Н	Н

4.8.team_fixture data table

teamID	fixtureID	isHome	shots	shotsTarget	corners	fouls	yellowCards	redCards	goalsHT	goalsFT
1	1	Yes	8	3	5	11	0	0	1	1
1	2	Yes	18	7	15	14	3	0	1	1
1	3	Yes	7	2	2	16	1	0	0	0
1	4	Yes	23	6	10	11	3	0	0	1
1	5	Yes	13	7	5	10	1	0	0	0
1	6	Yes	17	8	10	15	3	0	1	2
1	7	Yes	16	6	11	12	1	0	1	1
1	8	Yes	19	7	11	12	3	0	0	1
1	9	Yes	20	5	5	12	4	0	0	1
1	10	Yes	16	6	5	8	2	0	0	1
1	11	Yes	16	3	10	19	3	0	0	0
1	12	Yes	14	4	5	16	3	0	1	2
1	13	Yes	16	5	7	17	1	0	2	2
1	14	Yes	10	2	2	5	1	0	1	2
1	15	Yes	7	2	2	7	1	0	2	2
1	16	Yes	17	6	12	7	0	0	0	0
1	17	Yes	22	7	5	3	0	1	4	6
1	18	Yes	19	6	5	9	3	0	0	3
1	19	Yes	11	4	4	12	3	0	0	1
1	20	Yes	3	1	1	14	2	0	0	0
1	21	Yes	10	4	4	11	0	1	0	0
1	22	Yes	9	3	3	10	4	1	1	1
1	23	Yes	16	6	12	8	2	0	1	2
1	24	Yes	11	4	2	11	2	0	1	3

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1	25	Yes	15	3	9	8	2	0	1	1
1	26	Yes	17	7	6	12	2	0	1	1
1	27	Yes	15	4	3	9	2	0	1	3
1	28	Yes	12	5	5	14	4	1	0	2
1	29	Yes	15	8	6	14	2	0	2	4
1	30	Yes	11	3	4	15	4	0	0	1
1	31	Yes	13	5	7	11	2	0	1	2
1	32	Yes	19	8	9	7	2	0	1	2
1	33	Yes	12	6	2	13	3	0	2	3
1	34	Yes	11	7	8	16	1	0	2	4
1	35	Yes	11	2	6	13	2	0	0	0
1	36	Yes	17	7	3	8	0	0	2	3
1	37	Yes	14	4	3	8	3	0	0	1
1	38	Yes	17	2	7	10	3	0	1	2
1	39	Yes	12	5	1	16	2	0	0	1
1	40	Yes	12	6	0	7	0	0	0	1
1	41	Yes	15	3	5	16	3	0	0	0
1	42	Yes	5	1	4	20	5	0	0	0
1	43	Yes	22	9	5	10	2	0	1	3
1	44	Yes	19	4	5	9	2	0	1	2
1	45	Yes	24	5	13	5	0	0	0	3
1	46	Yes	13	3	7	11	4	0	2	2
1	47	Yes	13	6	5	15	0	0	2	3
1	48	Yes	24	10	9	10	0	0	2	4
1	49	Yes	8	5	2	12	4	0	0	1
1	50	Yes	30	7	8	9	1	0	0	1
1	51	Yes	11	1	6	6	2	0	0	1
1	52	Yes	10	5	3	17	2	0	0	0
1	53	Yes	9	2	2	13	1	1	1	1
1	54	Yes	4	1	3	8	2	0	0	0
1	55	Yes	16	4	7	10	1	0	0	1
1	56	Yes	2	0	1	8	2	0	0	0
1	57	Yes	13	3	4	8	1	0	0	1
1	58	Yes	10	6	2	5	0	0	0	1
1	59	Yes	17	3	7	15	2	0	0	0
1	60	Yes	11	2	3	10	1	0	0	1
1	61	Yes	14	1	8	7	0	0	0	0
1	62	Yes	13	6	7	5	3	0	1	2
1	63	Yes	12	4	12	10	2	0	0	1
1	64	Yes	17	2	16	7	1	0	0	2
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1	65	Yes	10	5	2	9	1	0	2	2
1	66	Yes	13	4	3	12	1	0	2	2
1	67	Yes	12	4	2	12	0	0	3	3
1	68	Yes	11	2	7	10	4	0	0	0
1	69	Yes	9	3	5	7	2	0	0	2
1	70	Yes	8	2	3	10	1	0	1	1
1	71	Yes	18	8	6	8	0	0	5	6
1	72	Yes	8	3	4	15	4	0	1	1
1	73	Yes	6	3	3	18	1	0	1	2
1	74	Yes	1	1	0	8	1	0	0	0
1	75	Yes	11	5	9	14	1	1	2	2
1	76	Yes	10	4	2	19	4	0	0	0
1	77	Yes	16	5	6	14	0	0	1	2
1	78	Yes	13	3	9	19	3	0	1	1
1	79	Yes	13	3	6	18	2	0	0	1
1	80	Yes	12	4	7	16	2	0	1	1
1	81	Yes	14	4	7	13	1	0	1	2
1	82	Yes	13	4	5	9	0	0	1	1
1	83	Yes	22	7	4	7	3	0	1	4
1	84	Yes	15	4	2	8	3	0	0	1
1	85	Yes	17	7	8	12	4	0	1	2
1	86	Yes	19	4	10	12	0	0	1	2
1	87	Yes	19	5	9	11	3	0	1	2
1	88	Yes	18	5	6	16	0	0	0	2
1	89	Yes	16	7	2	14	3	0	1	2
1	90	Yes	6	2	4	12	0	0	0	0
1	91	Yes	18	8	6	13	0	0	1	2
1	92	Yes	11	5	4	14	2	0	1	2
1	93	Yes	8	3	2	11	4	0	0	0
1	94	Yes	14	8	8	10	1	0	1	4
1	95	Yes	11	4	3	14	4	0	0	1
1	96	Yes	17	7	5	8	2	0	1	4
1	97	Yes	14	2	4	19	2	0	0	1
1	98	Yes	7	4	1	15	5	1	2	3
1	99	Yes	8	4	3	12	1	0	0	1
1	100	Yes	17	10	1	16	3	0	1	6
1	101	Yes	6	2	5	10	3	1	0	0
1	102	Yes	16	3	7	8	1	0	0	2
1	103	Yes	22	9	15	8	2	1	2	2
1	104	Yes	20	3	5	14	1	1	0	0
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1	105	Yes	11	5	4	16	5	0	0	1
1	106	Yes	20	4	4	12	1	0	0	1
1	107	Yes	11	0	4	10	0	0	0	0
1	108	Yes	18	6	6	13	3	0	0	0
1	109	Yes	15	4	6	23	3	0	0	2
1	110	Yes	16	3	8	14	1	0	0	0
1	111	Yes	12	8	3	5	1	0	1	1
1	112	Yes	14	5	2	9	4	0	3	4
1	113	Yes	15	4	5	13	2	0	0	0
1	114	Yes	13	7	3	7	2	0	0	0
1	115	Yes	13	3	1	18	3	0	0	0
1	116	Yes	19	5	7	13	3	0	1	2
1	117	Yes	12	4	3	17	3	0	0	0
1	118	Yes	23	6	12	10	1	0	0	0
1	119	Yes	13	5	3	6	0	0	1	2
1	120	Yes	5	2	3	15	3	0	2	2
1	121	Yes	18	7	4	14	1	0	0	1
1	122	Yes	7	4	2	23	1	0	3	3
1	123	Yes	11	3	2	23	5	0	0	0
1	124	Yes	7	2	7	17	2	0	0	0
1	125	Yes	9	6	3	18	7	0	1	3
1	126	Yes	9	5	4	20	2	1	2	2