

Question 1:

Find the stations with 3 transfer lines, and list the station id, English name, and the corresponding line_id. Note that the smaller number of line_id is in front (line_id1) and the larger number line_id is in the back (line_id2). The results are sorted in ascending order according to the station_id, the smaller number line, and the larger number subway line.

找出中转地铁线路数量为3个的地铁站，分别列出地铁站id，英文名，两两对应的地铁线路。注意换乘地铁线对中序号小的在前(line_id1)，序号大的在后(line_id2)。得到结果按照地铁站id，小序号地铁线，大序号地铁线升序排列

	station_id	english_name	ld1.line_id	ld2.line_id
1		4 Grand Theater	1	2
2		4 Grand Theater	1	11
3		4 Grand Theater	2	11
4		22 Qianhaiwan	1	5
5		22 Qianhaiwan	1	11
6		22 Qianhaiwan	5	11
7		46 Futian	2	3
8		46 Futian	2	11
9		46 Futian	3	11

Question 2:

Which lines have more stations on each line than the average number of stations on all lines? How many stations are there on each line? Sort the result set in ascending order by line_id.

每条线路上的地铁站的数量比所有线路上地铁站平均数量大的地铁线路有哪些？分别有多少个地铁站。得到结果集按照line_id升序排列。

	line_id	cnt
1	1	30
2	2	29
3	3	30
4	7	29
5	9	32

Question 3:

Find out which line has the most subway stations in each district (excluding those with empty names). If multiple lines have the most stations in the same district, list them all. Return the line_id, district name, and specific number of stations, and sort them in ascending order by district name and line_id.

找出每个区中（除去名字为空字符的区），哪条地铁线路的地铁站数量最多，如果多条线路在这个区中地铁站数量并列最多，都要列出来。返回地铁线路、区名、及具体地铁站数量，并按照区名、地铁线路升序排列。

	line_id	district	cnt
1	11	Bao'an	12
2	7	Futian	16
3	3	Longgang	15
4	4	Longhua	8
5	3	Luohu	6
6	9	Luohu	6
7	9	Nanshan	14

Question 4:

In the bus_lines table, find the top three bus lines with the most stations near them, and the count of stations. Return the bus line names and the count of nearby stations, then sorted in ascending alphabetical order by bus line name.

在bus_lines表中，找出公交线路附近地铁站数量前三多（rank）的公交线，及其地铁站数量。返回公交线路名称，附近地铁站的数量，按照公交线路名字母顺序升序排列。

	bus_line	cnt
1	309	20
2	366	20
3	N4	21

Question 5:

Arrange the number of subway stations in each district (excluding those with empty names) in ascending order and generate a rank. Finally, return the percentage of subway stations in each district compared to the number of subway stations in the rank order in previous district. The returned results are sorted by rank. The percentage result is rounded to one decimal place.

给每个区中（除去名字为空字符的区）地铁站的数量按照升序排列，并生成一个序号（rank），同时最后返回每个区的地铁占数量是序号上一个区地铁站数量的百分之多少倍。返回结果按照序号排序。百分比结果四舍五入保留一位小数。

	rnk	district	cnt	rate
1	1	Longhua	9	<null>
2	2	Longgang	22	244.4%
3	3	Luohu	23	104.5%
4	4	Bao'an	25	108.7%
5	5	Nanshan	49	196.0%
6	6	Futian	51	104.1%