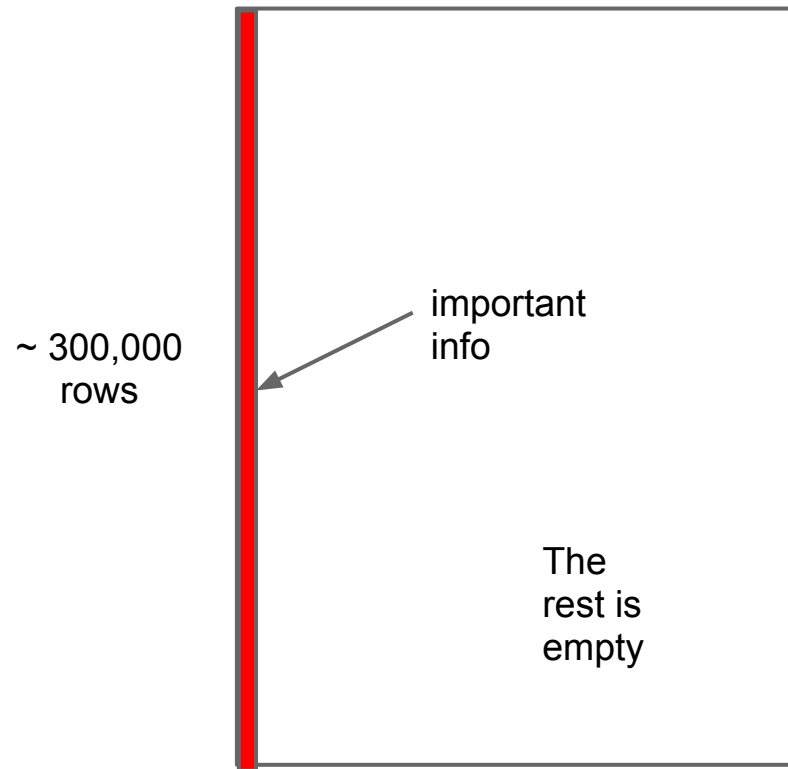


Task: make nine tables

A	B	C
D	E	F
G	H	Y

Each table has a letter from A-H, except the last table which is Y

Source file: it has lots rows



Source: see attached csv file.

Understand the source file

1	2	3	4	n
ID	Level	CPC	A01B1/00	
1	0	A01B1/00	score	
2	1	A01B1/02	score	
3	2	A01B1/022	score	
4	2	A01B1/024		
5	2	A01B1/026		
6	2	A01B1/028		
7	2	A01B1/04		
8	1	A01B1/06		
9	2	A01B1/065		
10	2	A01B1/08		
11	2	A01B1/10		
12	2	A01B1/12		
13	2	A01B1/14		
14	1	A01B1/16		
15	2	A01B1/165		
16	2	A01B1/18		
17	1	A01B1/20		
18	1	A01B1/22		
19	2	A01B1/222		
20	3	A01B1/225		
21	2	A01B1/227		
22	1	A01B1/24		
23	2	A01B1/243		
24	2	A01B1/246		
25	0	A01B3/00		
26	1	A01B3/02		
27	1	A01B3/04		

1 This is a unique ID for each row. You can ignore it. I don't think you will need it.

2 This is the level, it is metadata about column 3. You need it to build the table.

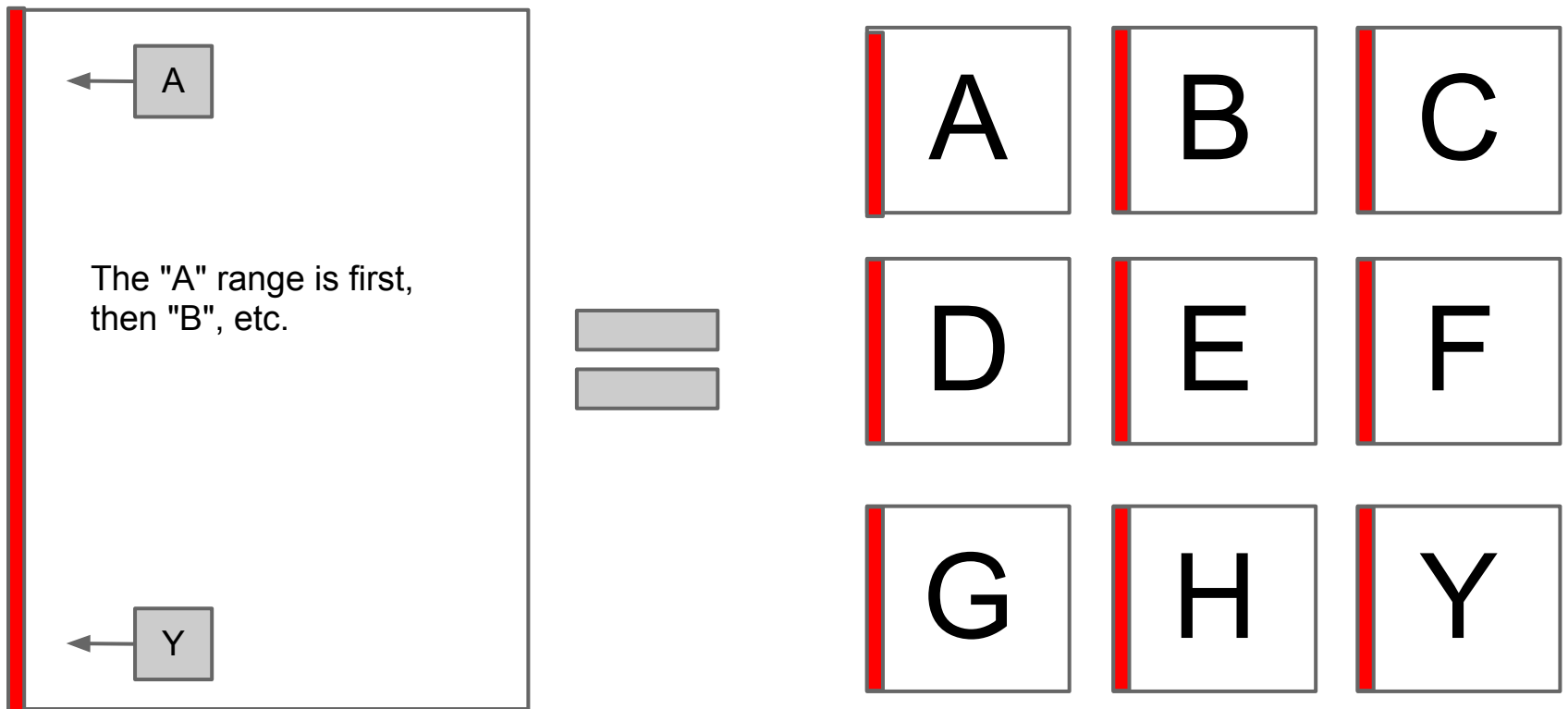
3 This is the **target** data. It has four parts.
1) **section** - first character (always alpha, A-H and Y)
1) **scheme** - next three characters (always)
2) **class** - remaining characters before the / (may be more than one character)
3) **group** - all characters after the /

4 n Each column is a **query**. The goal of the table is to answer the question: "What is the relationship (or **score**) between the **query** and each **target**."

score **Target** data and search **query** pairs form a **score**. The algorithm to generate the **score** is on the following slides.

Step 1: turn source into nine tables

A-H and Y correspond to the [section](#) in the source data.



Step 2: make tables square

To determine the **score** for each cell, we have to make each table square (orthogonal) by transposing the CPC row (3) into the first column.



Do the same for all the tables A-H and Y.

Step 3: **score** each cell in each table

Do **query** and **target**
schemas match exactly?

No

Yes

1st chara match?
Yes = next. No = 10. End.

2nd chara match?
Yes = 30. End. No = 20. End.

No

60. End.

Do **classes** match exactly?

Yes

Do **groups** match exactly?

Yes

No

200. End.

Is **group** match between last and next level **0 or 1**?

No. 70. End.

Yes. If level = 0 or 1, 80. End. Else next.

Is **group** match between last and next level 2, within level 1?

No. 80. End.

Yes. If level = 2, 90. End. Else next.

:

Is **group** match between last and next level n, within level n-1?

No. $60 + 10 \cdot n$. End.

Yes. If level = n, $70 + 10 \cdot n$. End. Else next.

:

Is **group** match between last and next level 12, within level 11?

No. 180. End.

Yes = 190. End.

Examples: score

ID	Level	CPC	query	query			
1	0	A01B1/00	A01B1/00	A01B1/225	Do query and target schemas match exactly?	Yes.	
2	1	A01B1/02	200		Do classes match exactly?	Yes.	
3	2	A01B1/022			Do groups match exactly?		Yes.
4	2	A01B1/024			200.		End.
5	2	A01B1/026					
6	2	A01B1/028					
7	2	A01B1/04			Do query and target schemas match exactly?	Yes.	
8	1	A01B1/06	70		Do classes match exactly?	Yes.	
9	2	A01B1/065			Do groups match exactly?		No.
10	2	A01B1/08			Is group match between last and next level 0 or 1?	No. 70.	End.
11	2	A01B1/10					
12	2	A01B1/12					
13	2	A01B1/14					
14	1	A01B1/16			Do query and target schemas match exactly?	Yes.	
15	2	A01B1/165			Do classes match exactly?	Yes.	
16	2	A01B1/18			Do groups match exactly?		No.
17	1	A01B1/20			Is group match between last and next level 0 or 1?	Yes.	End. Else
18	1	A01B1/22			If level = 0 or 1, 80.		
19	2	A01B1/222		90	Is group match between last and next level 2?	Yes.	
20	3	A01B1/225		200	If level = 2, 90.	End.	
21	2	A01B1/227					
22	1	A01B1/24					
23	2	A01B1/243					
24	2	A01B1/246					
25	0	A01B3/00			Do query and target schemas match exactly?	Yes.	
26	1	A01B3/02			Do classes match exactly?	Yes.	
27	1	A01B3/04			Do groups match exactly?		Yes.
					200.		End.

Examples: group calculation

ID	Level	CPC
1	0	A01B1/00
2	1	A01B1/02
3	2	A01B1/022
4	2	A01B1/024
5	2	A01B1/026
6	2	A01B1/028
7	2	A01B1/04
8	1	A01B1/06
9	2	A01B1/065
10	2	A01B1/08
11	2	A01B1/10
12	2	A01B1/12
13	2	A01B1/14
14	1	A01B1/16
15	2	A01B1/165
16	2	A01B1/18
17	1	A01B1/20
18	1	A01B1/22
19	2	A01B1/222
20	3	A01B1/225
21	2	A01B1/227
22	1	A01B1/24
23	2	A01B1/243
24	2	A01B1/246
25	0	A01B3/00
26	1	A01B3/02
27	1	A01B3/04

Level 1 calculation

Is **group** match between last and next level **0** or **1**?

No. 70. End.

Yes. If level = 0 or 1, 80. End. Else next.

Explanation

The highlighted sections to the left are the defined level 1 **groups**.

If the level = 0, the **group** is only that **target** value.

Else, the **group** includes all **target** values from the preceding level 1 through, but not including, the next level 0 or 1 **target** value.

Upper boundary, **target** value included.

Lower boundary, **target** value not included.

Examples: group calculation

ID	Level	target CPC
1	0	A01B1/00
2	1	A01B1/02
3	2	A01B1/022
4	2	A01B1/024
5	2	A01B1/026
6	2	A01B1/028
7	2	A01B1/04
8	1	A01B1/06
9	2	A01B1/065
10	2	A01B1/08
11	2	A01B1/10
12	2	A01B1/12
13	2	A01B1/14
14	1	A01B1/16
15	2	A01B1/165
16	2	A01B1/18
17	1	A01B1/20
18	1	A01B1/22
19	2	A01B1/222
20	3	A01B1/225
21	2	A01B1/227
22	1	A01B1/24
23	2	A01B1/243
24	2	A01B1/246
25	0	A01B3/00
26	1	A01B3/02
27	1	A01B3/04

Level 2 calculation

Is **group** match between last and next level 2,
within level 1?

No. 80. End.

Yes. If level = 2, 90. End. Else next.

Explanation

The highlighted sections to the left are the defined
level 2 **groups**.

The **group** includes all **target** values with level 2 or
greater that were within the level 1 **group**.

Upper boundary, **target** value included.

Lower boundary, **target** value included.

Important

Are you human or spam?
Did you read everything?

To bid, put this code in the
beginning of your response:

Y7c3P6