

My new understanding/interpretation about CASEs 1-2

Avi Harel



The purpose of this analysis of the first two use cases is to make sure that I understand the problem correctly.

Both cases started from

Display: english WERBEH



Both assume that the user wants to add the number 123 in between.

I add the cursor to the string display, to show the keyboard state, as follows:












-  The cursor in the Hebrew keyboard state
-  The cursor in the English keyboard state

To facilitate reading I mark spaces by _












Also, I added color to the spaces in the logical buffer, to show how they may be interpreted (if I understand correctly the meaning of weak-type characters).

-  a space in the an rtl interpretation
-  a space in the an ltr interpretation

Case 1.1 – continuous data entry, the cursor is at the end of the logical string. First the user enters the number 123, then a space.

Step	Display	Logical string
0	english_  WERBEH	english  HEBREW
1	english_1  WERBEH	english  1 HEBREW
2	english_12  WERBEH	english  12 HEBREW
3	english_123  WERBEH	english  123 HEBREW
4	english_123  _ WERBEH	english  123  HEBREW

Case 1.2 – the user sets the cursor (manually) just after the "english", then enters a space and then the number 123.

Step	Display	Logical string
0	english  _ WERBEH	english  HEBREW
1	english_  _ WERBEH	english  HEBREW
2	english_1  _ WERBEH	english  1 HEBREW
3	english_12  _ WERBEH	english  12 HEBREW
4	english_123  _ WERBEH	english  123  HEBREW

Case 1.3 – the user sets the cursor (manually) just before the "WERBEH ", then enters the number 123 and then a space.

Step	Display	Logical string
0	english_ WERBEH	english HEBREW
1	english_1 WERBEH	english 1HEBREW
2	english_12 WERBEH	english 12HEBREW
3	english_123 WERBEH	english 123HEBREW
4	english_123 _WERBEH	english 123 HEBREW

Case 2 – continuous data entry, the cursor is at the end of the logical string. First the user enters a space, then the number 123.

Step	Display	Logical string
0	english_ WERBEH	english HEBREW
1	english_ _WERBEH	english HEBREW
2	english_1 _WERBEH	english HEBREW 1
3	english_12 _WERBEH	english HEBREW 12
4	english_123 _WERBEH	english HEBREW 123