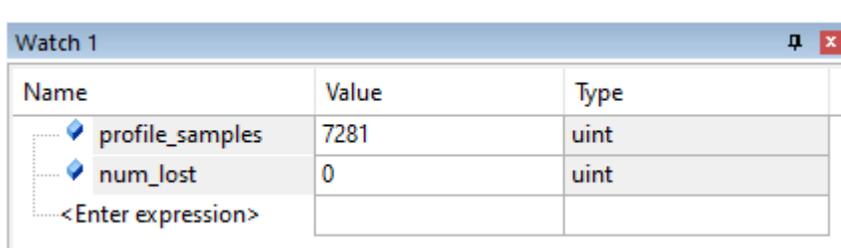


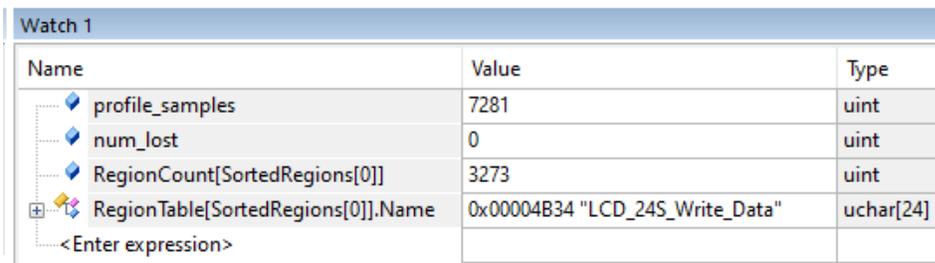
Getting Profile Information without Active LCD

1. Start microVision debugger with  .
2. Run program with  .
3. In Homework 2 (ECE 461/561 2024), the LED turns blue after profiling has completed and the profile has been sorted. So, wait until the LED is blue and then stop program execution with  .
4. Open a Watch window: View->Watch Windows->Watch 1
5. Confirm that Watch 1 window has **profile_samples** (used for “Total Samples”) and **num_lost** (used for “Lost Samples”). If either variable is not present, click on <Enter expression> and enter the variable name.



Name	Value	Type
profile_samples	7281	uint
num_lost	0	uint
<Enter expression>		

6. If Value is in hexadecimal but you want decimal, right click on the variable’s value entry and deselect “Hexadecimal Display”
7. To see information on the top region (element 0 in SortedRegions), follow these steps so that microVision automatically gives you the information you need.
 - a. Click on <Enter expression> and enter the following: **RegionCount[SortedRegions[0]]**
 - b. Click on <Enter expression> and enter the following:
RegionTable[SortedRegions[0]].Name



Name	Value	Type
profile_samples	7281	uint
num_lost	0	uint
RegionCount[SortedRegions[0]]	3273	uint
RegionTable[SortedRegions[0]].Name	0x00004B34 "LCD_24S_Write_Data"	uchar[24]
<Enter expression>		

8. Repeat this for SortedRegions 1 through 3 to see the top four functions.
9. You can also use this approach to find the starting address for a given region. Click on <Enter expression> and enter the following: **RegionTable[SortedRegions[0]].Start**



RegionTable[SortedRegions[0]].Start	0x00000F2D	uint
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