

Test Description

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test00in.txt 100 Bytes	test01in.txt 105 Bytes
<pre>1 <<<<<<< HEAD 2 h j k l 3 y u i o 4 v b n m 5 ===== 6 q w e r 7 a s d f 8 z x c v 9 >>>>>>> b e f e 2 c 9 7 f 3 2 0 d f c 0 1 8 7 3 5 7 9 6 2 e 4 f d 8 7 c e 0 e b 8 9 a f</pre>	<pre>1 <<<<<<< HEAD 2 i w g j 3 a t y w 4 i p o l 5 ===== 6 q w e r 7 a s d f 8 z x c v 9 t y u i 10 >>>>>>> b e f e 2 c 9 7 f 3 2 0 d f c 0 1 8 7 3 5 7 9 6 2 e 4 f d 8 7 c e 0 e b 8 9 a f</pre>

Test02out.txt 31 Bytes
<pre>1 h j k l 2 y u i o 3 v b n m 4 i w g j 5 a t y w 6 i p o l 7</pre>

Above are the two input for the producer and one output of the consumer.

We used the codes: “ ./producer < test00in.txt” , “ ./producer < test01in.txt” and “ ./consumer > test02out.txt” to write the input and the output into these test files. Three terminals are used for input00, input01, and output 02 respectively.

As seen in the inputs, the values written to the shared buffer are read only once by the consumer. First two parts in the input files (line 2-4 in picture 1 and 2) are combined and shown in the output file (line 1-6) as expected. The rest of lines (line 5-9 in picture 1 and line 5-10 in picture 2) shows the history result, they are used for confirming the correctness of the procedure, we do not care about this part, and they will not influence the testing. Therefore, the testing shows that we are doing as expected.