

Summarize the effect of the following MIPS instructions

```
array: .word 5, 4, 3, 2, 1
```

la \$a0, array addi \$t0, \$a0, 4 lw \$t1, 0(\$t0) lw \$t2, 4(\$t0) sw \$t2, 0(\$t0) sw \$t1, 4(\$t0)

array: .word 5, 4, 3, 2, 1

WORD				Assuming	
HALF		HALF		Little Endian	
ВҮТЕ	ВҮТЕ	ВҮТЕ	ВҮТЕ	Starting	Word
+3	+2	+1	+0	address	Value
0x00	0x00	0x00	0x05	array	5
0x00	0x00	0x00	0x04	array+4	4
0x00	0x00	0x00	0x03	array+8	3
0x00	0x00	0x00	0x02	array+12	2
0x00	0x00	0x00	0x01	array+16	1

EFFECT of the given MIPS code:

Memory locations of 3 & 4 in the word array are switched.