

Shift operations

- consider a 4 bit word



0	1	1	0
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- decimal value 6

Shifting left

- if we shift this left by one bit we get:



1	1	0	0
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- decimal value 12, note that we automatically insert a 0 in bit position 0

Shifting right

- if we shift:



0	1	1	0
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- right by one bit we get:



0	0	1	1
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- decimal value 3, note that we automatically insert a 0 in bit position 3