

Let’s Find Out

There are two images encoded in this image. Let’s show them.



Logical shift:

function	Description
<code>intout = bitshift(A,k)</code>	<p>bitshift() returns A shifted to the left by k bits, equivalent to multiplying by 2^k.</p> <ul style="list-style-type: none">• If k is positive, MATLAB® shifts the bits to the left and inserts k 0-bits on the right. <div><div>MSB</div><div>7 6 5 4 3 2 1 0</div><div>0 0 0 1 0 1 1 1</div><div>↙ ↘ ↙ ↘ ↙ ↘ ↙ ↘</div><div>0 0 1 0 1 1 1 0</div><div>↖ ↗ ↖ ↗ ↖ ↗ ↖ ↗</div><div>0</div></div> <ul style="list-style-type: none">• If k is negative and A is nonnegative, then MATLAB shifts the bits to the right and inserts k 0-bits on the left. <div><div>MSB</div><div>7 6 5 4 3 2 1 0</div><div>0 0 0 1 0 1 1 1</div><div>↙ ↘ ↙ ↘ ↙ ↘ ↙ ↘</div><div>0 0 0 0 1 0 1 1</div><div>↖ ↗ ↖ ↗ ↖ ↗ ↖ ↗</div><div>0</div></div>