















Find the Symmetric Difference

The mathematical term *symmetric difference* (Δ or \oplus) of two sets is the set of elements which are in either of the two sets but not in both. For example, for sets $A = \{1, 2, 3\}$ and $B = \{2, 3, 4\}$, $A \Delta B = \{1, 4\}$.

Symmetric difference is a binary operation, which means it operates on only two elements. So, to evaluate an expression involving symmetric differences among *three* elements ($A \Delta B \Delta C$), you must complete one operation at a time. Thus, for sets A and B above, and $C = \{2, 3\}$, $A \Delta B \Delta C = (A \Delta B) \Delta C = \{1, 4\} \Delta \{2, 3\} = \{1, 2, 3, 4\}$.

Create a function that takes two or more arrays and returns an array of their symmetric difference. The returned array must contain only unique values (*no duplicates*).

	<code>sym([1, 2, 3], [5, 2, 1, 4])</code> should return <code>[3, 4, 5]</code> .
	<code>sym([1, 2, 3], [5, 2, 1, 4])</code> should contain only three elements.
	<code>sym([1, 2, 3, 3], [5, 2, 1, 4])</code> should return <code>[3, 4, 5]</code> .
	<code>sym([1, 2, 3, 3], [5, 2, 1, 4])</code> should contain only three elements.
	<code>sym([1, 2, 3], [5, 2, 1, 4, 5])</code> should return <code>[3, 4, 5]</code> .
	<code>sym([1, 2, 3], [5, 2, 1, 4, 5])</code> should contain only three elements.
	<code>sym([1, 2, 5], [2, 3, 5], [3, 4, 5])</code> should return <code>[1, 4, 5]</code>
	<code>sym([1, 2, 5], [2, 3, 5], [3, 4, 5])</code> should contain only three elements.

	<code>sym([1, 1, 2, 5], [2, 2, 3, 5], [3, 4, 5, 5])</code> should return <code>[1, 4, 5]</code> .
	<code>sym([1, 1, 2, 5], [2, 2, 3, 5], [3, 4, 5, 5])</code> should contain only three elements.
	<code>sym([3, 3, 3, 2, 5], [2, 1, 5, 7], [3, 4, 6, 6], [1, 2, 3])</code> should return <code>[2, 3, 4, 6, 7]</code> .
	<code>sym([3, 3, 3, 2, 5], [2, 1, 5, 7], [3, 4, 6, 6], [1, 2, 3])</code> should contain only five elements.
	<code>sym([3, 3, 3, 2, 5], [2, 1, 5, 7], [3, 4, 6, 6], [1, 2, 3], [5, 3, 9, 8], [1])</code> should return <code>[1, 2, 4, 5, 6, 7, 8, 9]</code> .
	<code>sym([3, 3, 3, 2, 5], [2, 1, 5, 7], [3, 4, 6, 6], [1, 2, 3], [5, 3, 9, 8], [1])</code> should contain only eight elements.