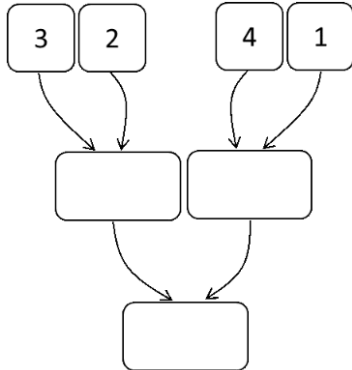
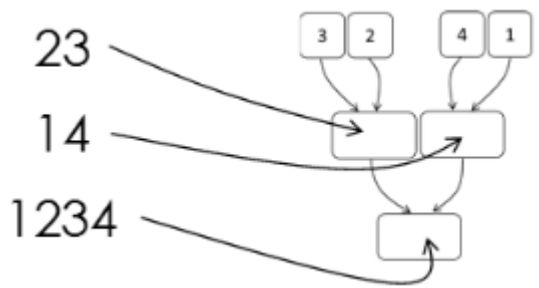




<p>What is the purpose of the Post Office Protocol (POP)?</p>	<p>What is a 'router' and why might a LAN benefit from one?</p>	<p>What are the two main types of system software?</p>
<p>State and describe 2 types of data compression.</p>	<p>What are the missing values in the steps of this merge sort?</p>  <pre>graph TD; A1[3] --> B1[]; A2[2] --> B1; A3[4] --> B2[]; A4[1] --> B2; B1 --> C[]; B2 --> C;</pre>	<p>Why do people code programs using high level languages as opposed to machine code?</p>



<p>What is the purpose of the Post Office Protocol (POP)?</p> <p>The Post Office Protocol governs how emails are accessed from a server.</p> <p>Email clients will use this protocol to download emails from a server in a standard way.</p>	<p>What is a 'router' and why might a LAN benefit from one?</p> <p>A router is a device which connects a LAN to a 'wide area network'.</p> <p>Although a LAN does not need one in order to function, it would be required for the LAN to connect to the internet.</p>	<p>What are the two main types of system software?</p> <p>1. Operating System Software</p> <p>2. Utility Software</p>
<p>State and describe 2 types of data compression.</p> <p>Lossy Compression</p> <p>This is when unrequired data is removed from a file.</p> <p>Lossless Compression</p> <p>This is when data is temporarily removed from the file, but added back (rebuilt) when the file is to be used again.</p>	<p>What are the missing values in the steps of this merge sort?</p>  <p>The diagram illustrates the merging process of two sorted arrays. At the top, two arrays are shown: [3, 2] and [4, 1]. Arrows indicate the elements being compared and swapped. The first array becomes [2, 3] and the second becomes [1, 4]. These two sorted arrays are then merged into a final array [1, 2, 3, 4]. The missing values in the steps are 23, 14, and 1234.</p>	<p>Why do people code programs using high level languages as opposed to machine code?</p> <p>People write code in high level languages because they are closer to the English language and therefore more natural to use for humans.</p>