

$$\begin{array}{c}
 \text{Diagram 1: A horizontal capsule shape with label } B \text{ above it. Below the capsule are indices } i \text{ and } j. \\
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 \text{Diagram 2: A horizontal capsule shape with label } B \text{ above it. Below the capsule are indices } i \text{ and } j-1. \\
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 \text{Diagram 3: A horizontal capsule shape with label } B \text{ above it. Below the capsule are indices } i \text{ and } u. \\
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 \text{Diagram 4: A horizontal rectangle with label } B \text{ above it. Below the rectangle are indices } u+1 \text{ and } j.
 \end{array}$$