

$$P[i \dots k] \cdot P[k+1 \dots j]$$

The diagram illustrates a recursive decomposition. At the top, a yellow rectangular box contains the expression $P[i \dots k] \cdot P[k+1 \dots j]$. Two black arrows originate from the center of this box and point downwards to two separate yellow rectangular boxes. The left box contains $P[i \dots k]$ and the right box contains $P[k+1 \dots j]$. Below each of these boxes is a yellow trapezoidal shape, representing a base case or a placeholder for further computation, each containing a large black question mark.

$$P[i \dots k]$$

?

$$P[k+1 \dots j]$$

?