5. Binary Search - Recursive

Begin

Function binary\_search(Numbers, left, right, Target\_number)

Initialize

Numbers

Left

Right

Target\_number

IF left > right

    RETURN None

ELSE

   Mid = floor((left+right)/2)

  IF (Numbers[Mid] == Target\_number)

REURN Mid

  ELSE IF Numbers[Mid] > Target\_number

RETURN binary\_search(Numbers, left, mid-1, Target\_number)

  ELSE

RETURN binary\_search(Numbers, mid+1, right, Target\_number)

  END IF

END IF

END FUNCTION

End