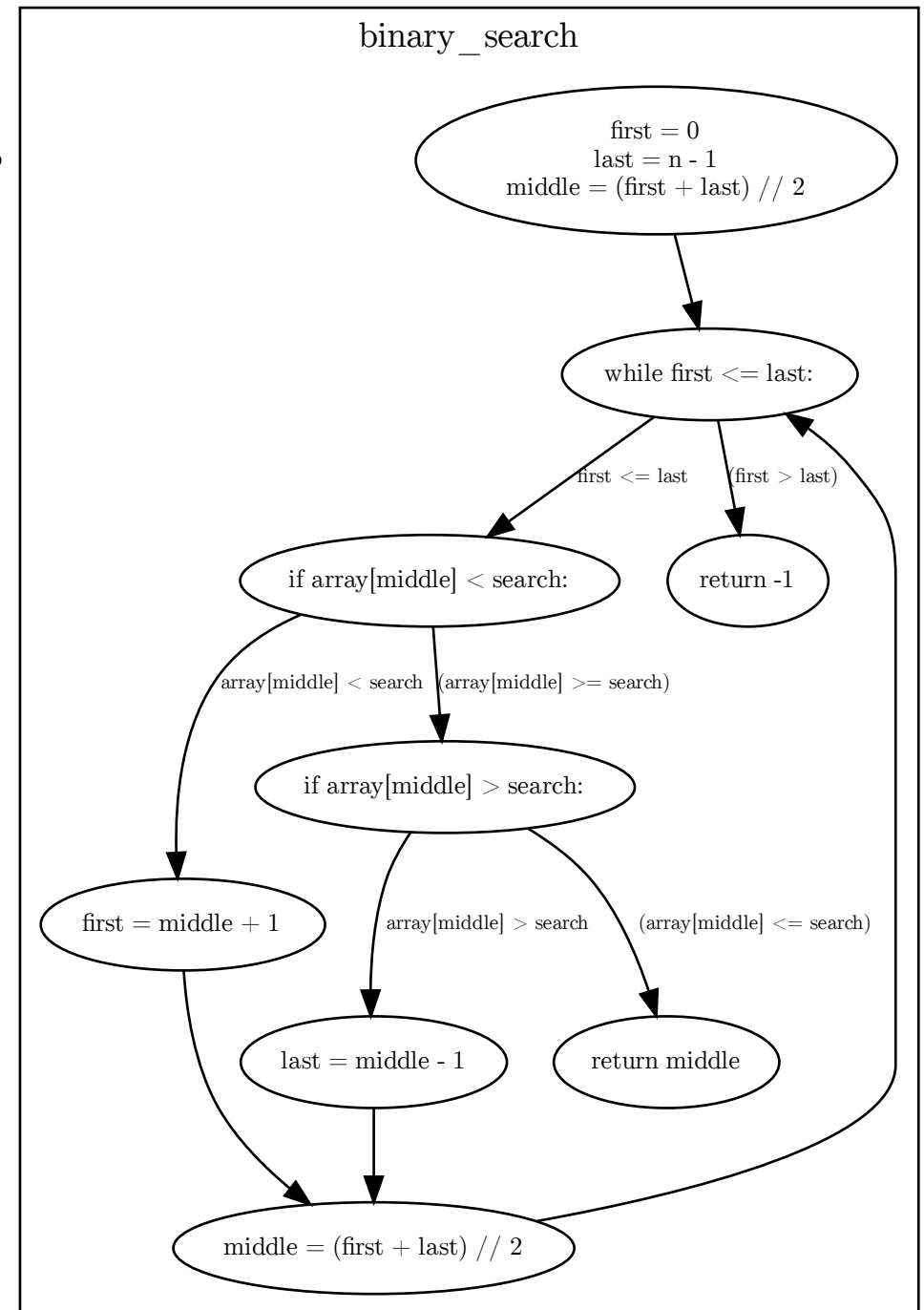from typing import List
def binary_search(search: int, array: List[int], n: int) ->int:...

binary_search

first = 0
last = n - 1
middle = (first + last) // 2

while first <= last:

first <= last

(first > last)

if array[middle] < search:

return -1

array[middle] < search

(array[middle] >= search)

if array[middle] > search:

first = middle + 1

array[middle] > search

(array[middle] <= search)

last = middle - 1

return middle

middle = (first + last) // 2

binary_search