```
partition(std::vector<int, std::allocator<int> >&, int, int)
     - correctness
    └── I don't know
    – weight
    - arguments on entry
         - my_vector = std::vector of length 6, capacity 6 = {
        [0] = 10,
        [1] = 7,
        [2] = 8,
        [3] = 9,
        [4] = 1,
        [5] = 5
       }
        -\log = 0
        -high = 5
     - arguments when returning
    my_vector = std::vector of length 6, capacity 6 = {
       [0] = 1,
       [1] = 5,
       [2] = 8,
       [3] = 9,
       [4] = 10,
       [5] = 7
     return value
    <u>└</u> 1
    – children
       - swap(int*, int*)
           correctness
           I don't know
           – weight
           – arguments on entry
            \frac{1}{a} = 10
\frac{1}{b} = 1

    arguments when returning

             -a = 1
           \frac{1}{---} b = 10
        - swap(int*, int*)
          correctness
         └── I don't know
          - weight
          – arguments on entry
           --- a = 7
           --- b = 5

    arguments when returning

          --- a = 5
            - b = 7
```