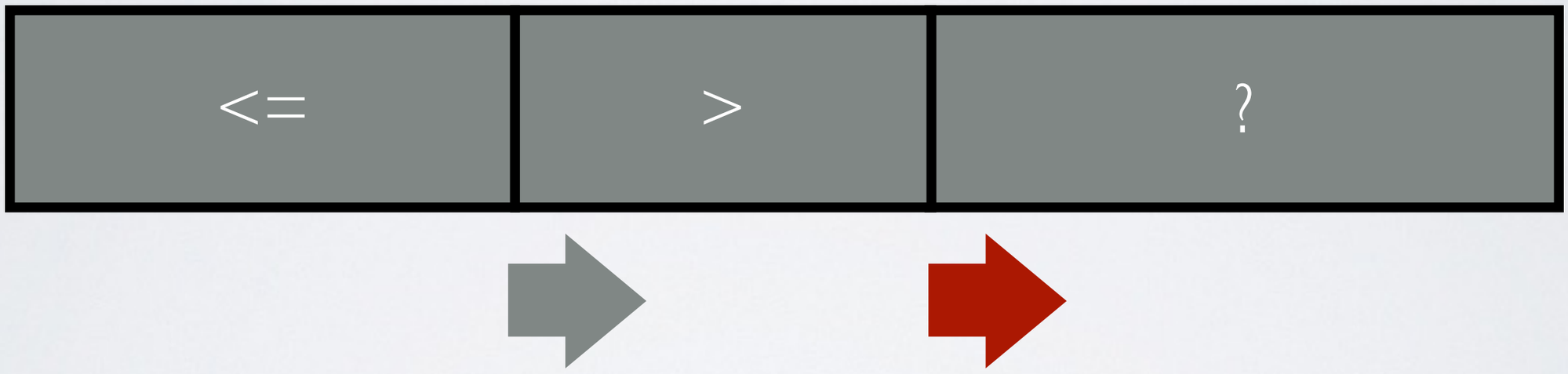
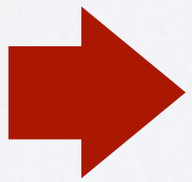
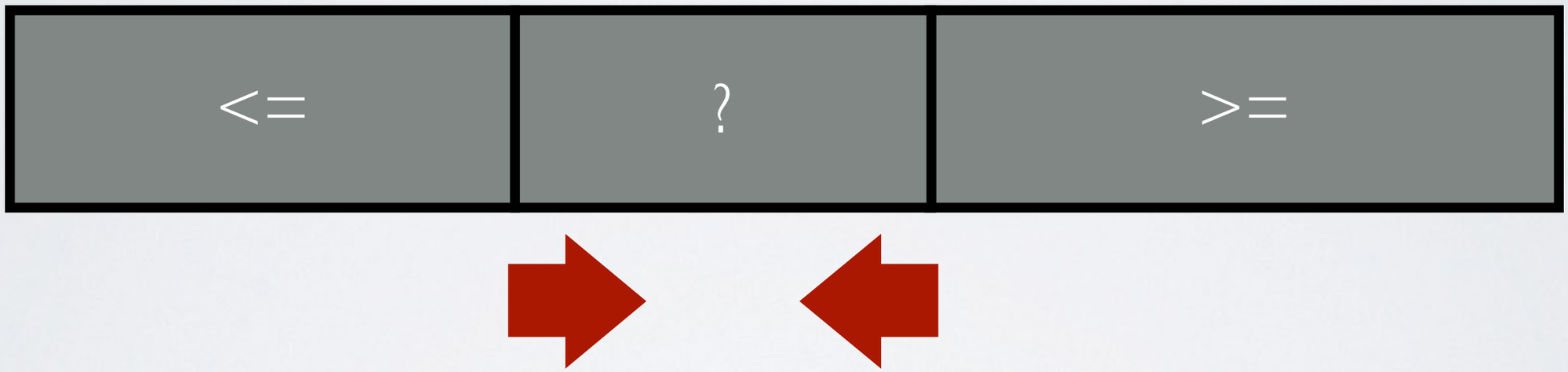
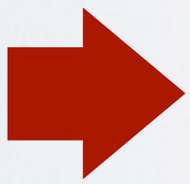
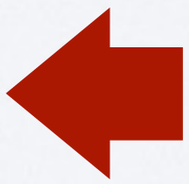
# LOMUTO



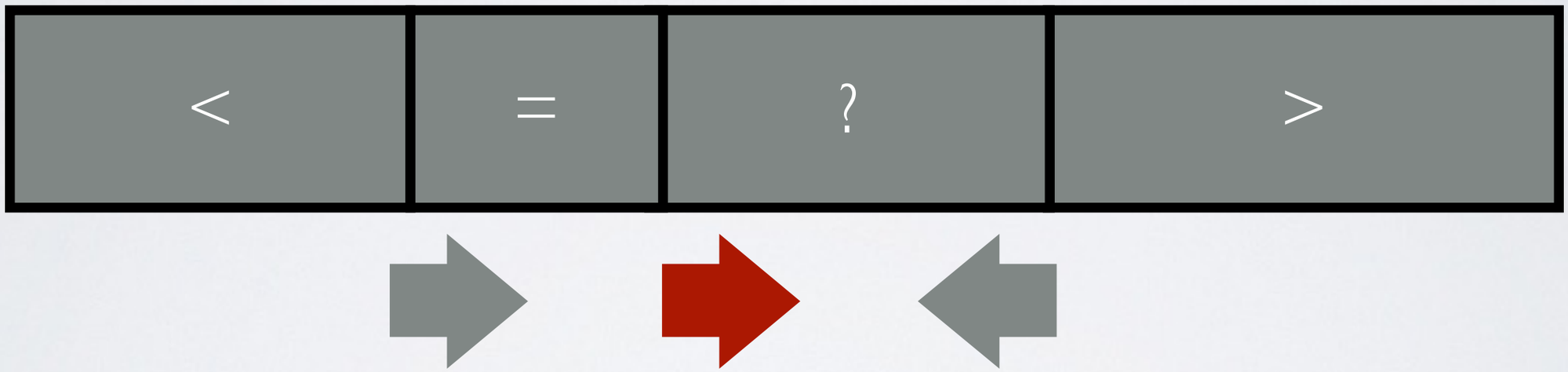

If  <= pivot, then swap

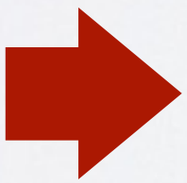
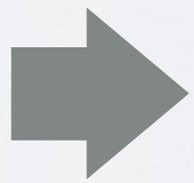
# SEDGEWICK

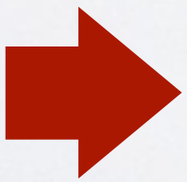
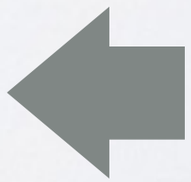



If  >= pivot and  <= pivot, then swap

# DIJKSTRA

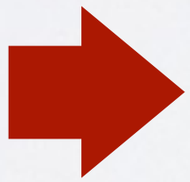
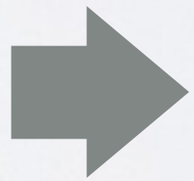


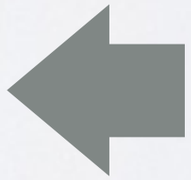

If  < pivot, then swap with  .

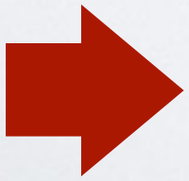
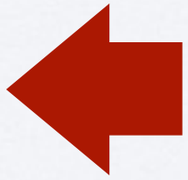
If  > pivot, then swap with  .

# BENTLEY-MCILROY

| = | < | ? | > | = |
|---|---|---|---|---|

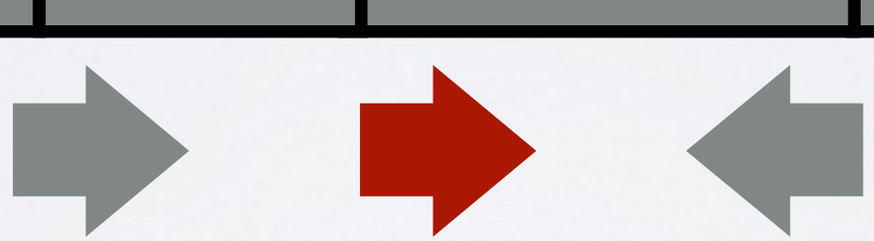
If  < pivot, then swap with  .

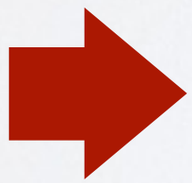
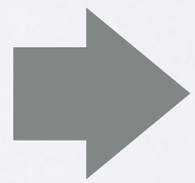
If > pivot, then swap with  .

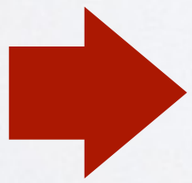
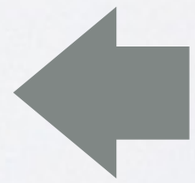
If  > pivot and  < pivot, then swap

# YAROSLAVSKIY

| $<p$ | $[p,q]$ | ? | $>q$ |
|---|---|---|---|



If  $< p$, then swap with  .

If  $> q$, then swap with  .