INPUT: 6 5 4 3 2 1 0

MS_A A 6 5 4 A pivot p = 2 1 0	push all elements <= 2 onto B (the goal is to find the optimal way to push this range of numbers)	A pivot p = 4	MS_B (B, 3) B 0 1 2 push all elements <= 4 onto B	MS_A (A, 2) A 6 5 fast solution for A swap A	B 3 4 0 1 2	MS_B (B, 2) fast solution for B swap B push range (2)
Sorted A 0 1 2 3 4 5 6	В	fast solution MS_A (A, 2) A 2 1 3 4 5 6		fast so	lutio	MS_B (B, 3) B pivot p = 1 push all elements >= 1 onto B s optimized in the code: ns exist for ranges <= 4, are other special cases

miro