



77, 77, 98

binarysort(5, 9)

$$m = (5 + 9) / 2 = 7$$

↳ {2, 22, 49, 80, 77}

binarysort(8, 9)

$$m = (8 + 9) / 2 = 8$$

{2, 49}



binarysort(5, 7)

$$m = (5 + 7) / 2 = 6$$

↳ {22, 80, 77}

binarysort(5, 6)

$$m = (5 + 6) / 2 = 5$$

↳ {50, 77}

binarysort(7, 7)

↳ 22

binarysort(8, 8)

↳ 49

binarysort(9, 9)

↳ 2

binarysort(5, 5)

↳ 50

binarysort(6, 6)

↳ 77

