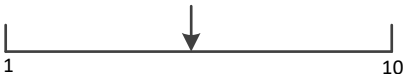
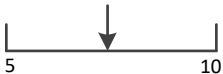


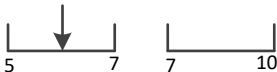
$[1,10)$  verify  $m=5$ .



$[5,10)$  verify  $m=7$ .



$[5,7)$  verify  $m=6$ .



$[6,7)$  6 is optimal solution

