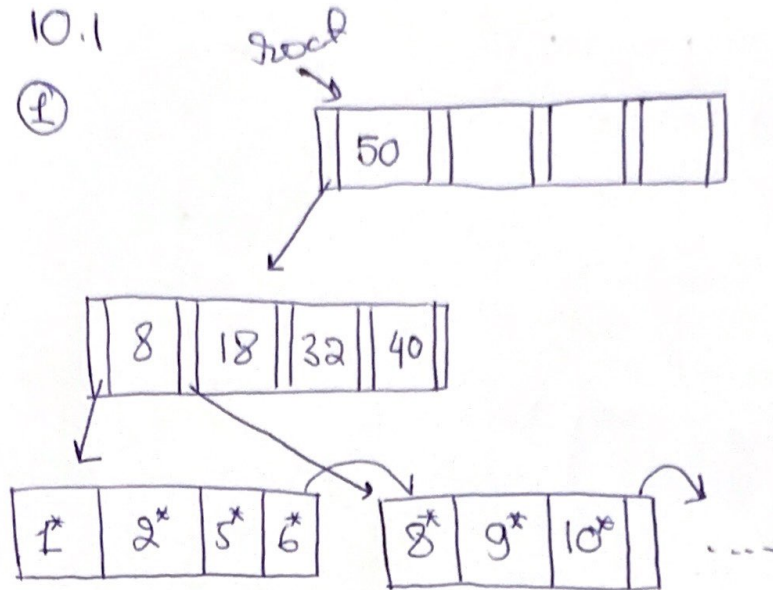
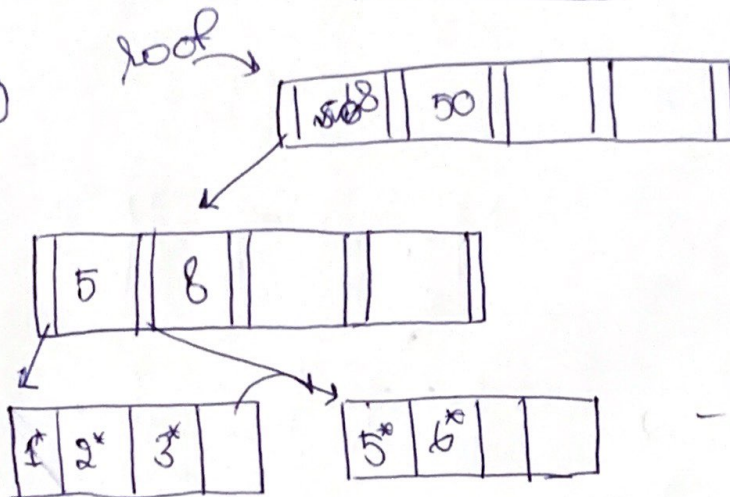


10.1

①



②

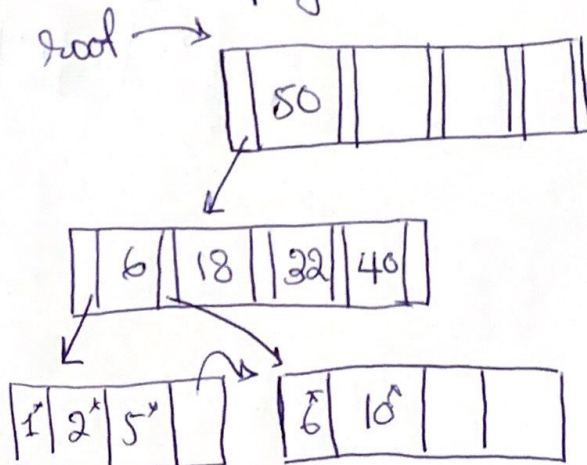


The insertion requires:

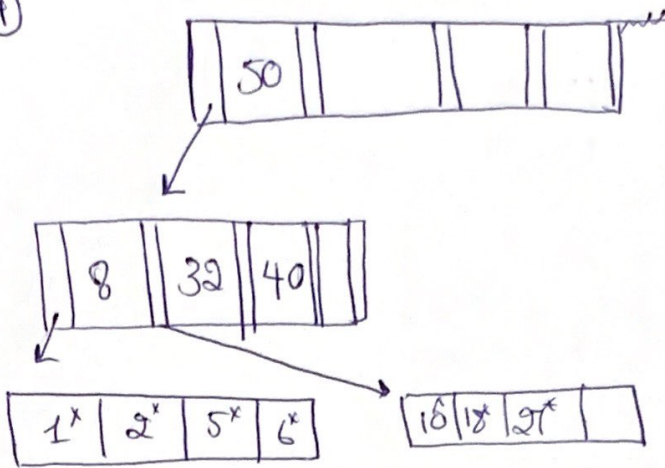
4 page reads

5 page writes

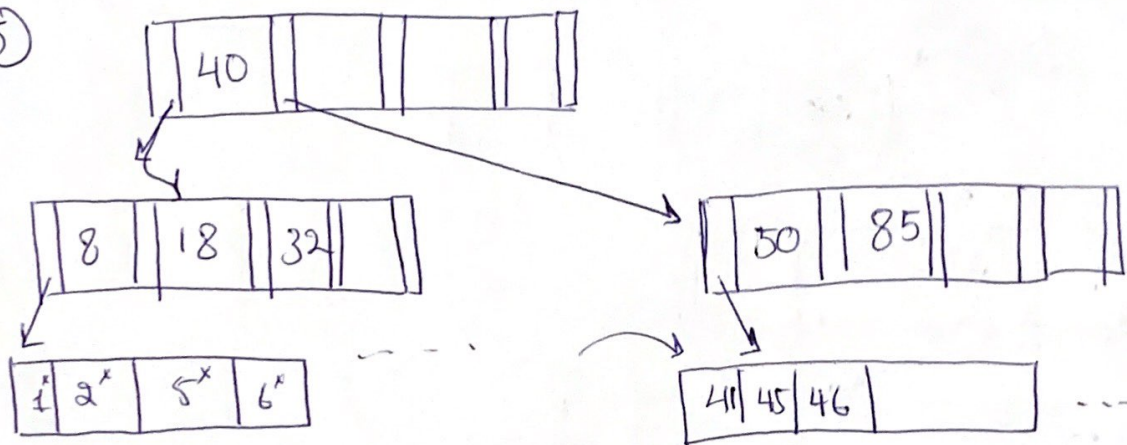
③



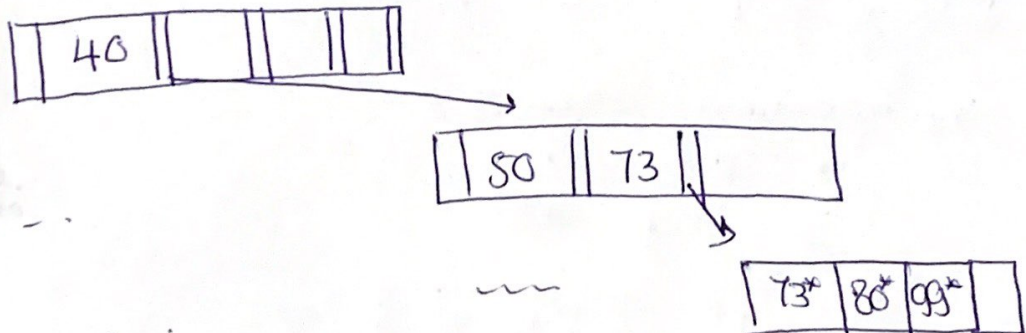
④



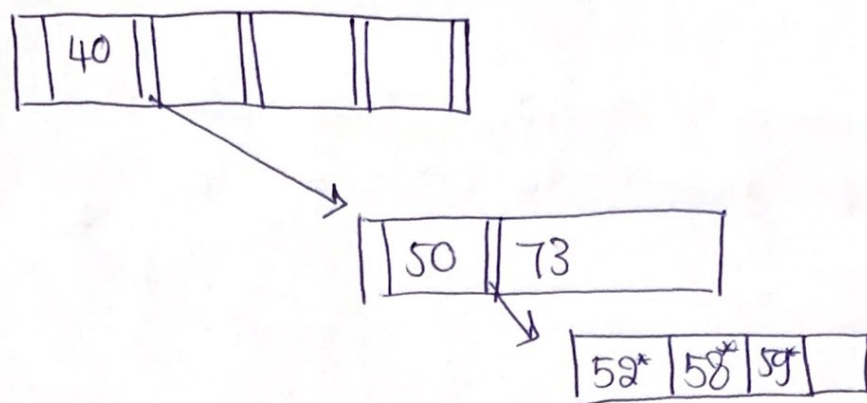
⑤



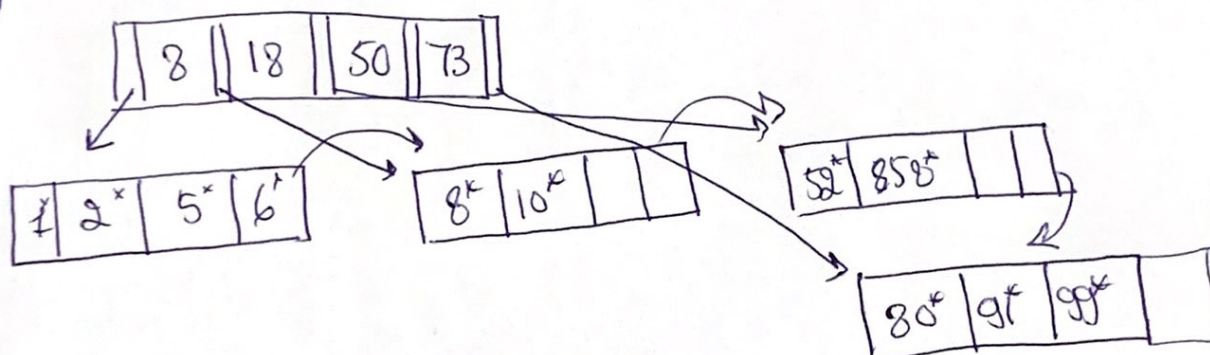
⑥



④



⑧





10.5

② minimum # of entries that will cause the  
tree height to change  $= 40 - 16 = 24$   
to 3  $\downarrow$

③ NO