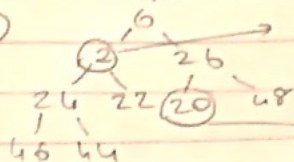


Part a)

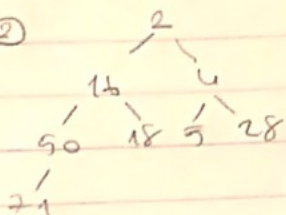
①



violates min-heap property since it is less than 6

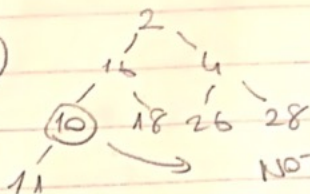
→ NOT a binary min-heap
20 violates the min-heap property since it is less than 26

②



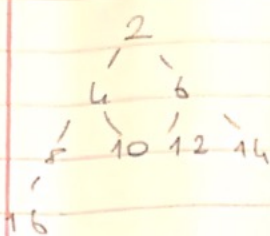
is a min-heap

③

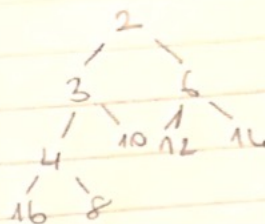
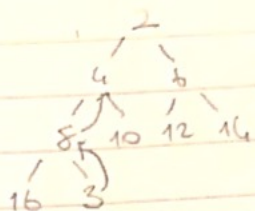


NOT a min-heap - 10 violates the property.

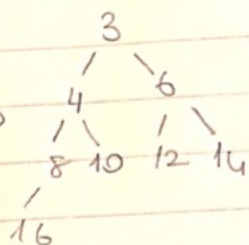
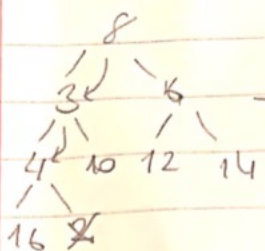
Part b)



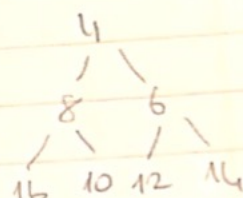
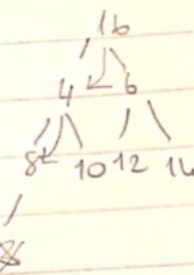
① Insert 3



② Pop



③ Pop



④ Insert 5

