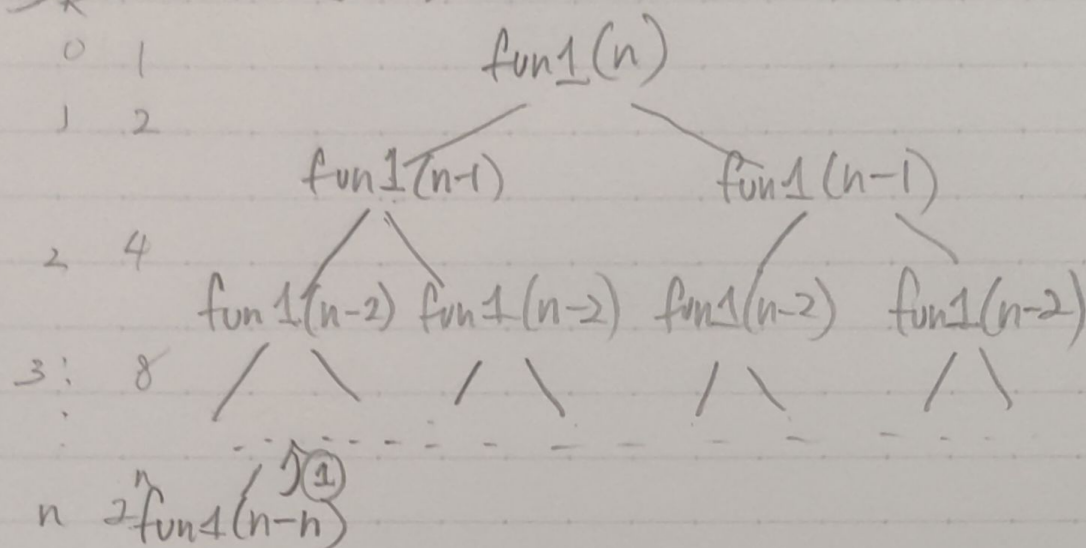
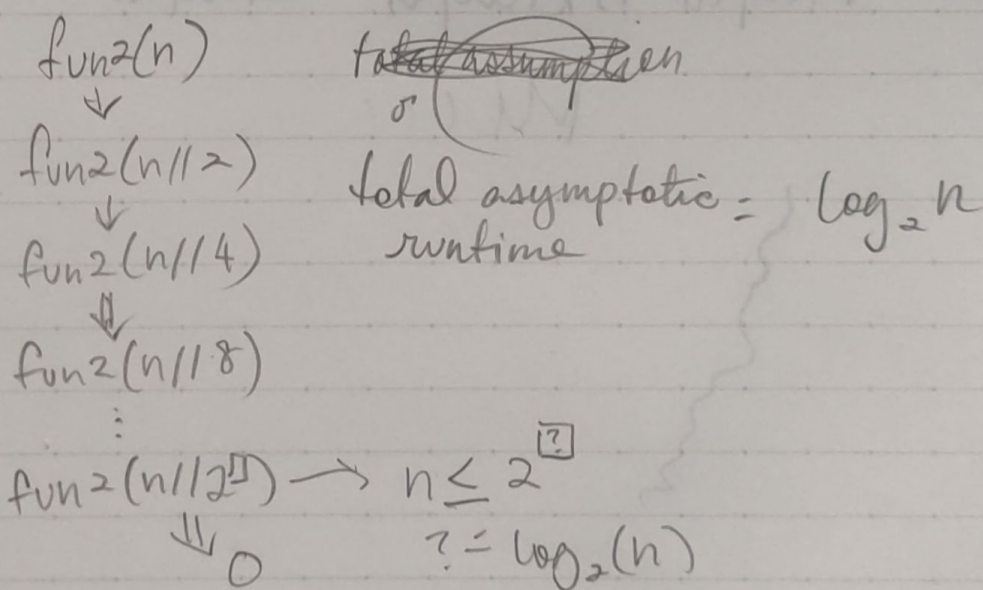


a) def fun1(n):



cost of each:  $\sum_{k=0}^n 2^k$   
total asymptotic runtime

b) def fun2(n):



c) def fun3(n):

