

**Scanned by CamScanner** 

Every call to sum-Istallist) is 1.
asymptotically runtime is O(n) The second version ( with low and high indices) works faster

a) def fun (cn): def fun (n-1) + def fun (n-1) def fun 1(n-2) def fun(n-2) def fun(n-2) C) def funz in): b) def fun 2(n): def fung (n//2) + 1+2+3.... +n def fun2(n//2) + ndef fund (n//4) + 1+2+3+ ...+ n//2 def funz (n1/4) + n/2 def fun3 (n1/8) + 1+2+3+ ...+ n1/4 def for (n// 8) + n/4 def fun3 (n/12k) + 142+3+ + 11/2+ def funz (n/12k) + n/2+1