1.
T(0) = a; for some constant a
T(1) = s + b + T(0); for some constant b
T(s) = s + b + T(s - 1)

2.
T(s) = s + b + T(s - 1)
= s + b + (s + b + T(s-2))
= 2s + 2b + T(s-2)

then, for all j = 1,2,3 ... we have
T(s) = j*s + j*b + T(s - j)

let j = s
T(s) = s*s + s*b + T(s – s)
= s^2 + sb

since b is a constant,
the time complexity of function kaboom is Θ(s^2)