a) $\geq (1)$ where is multiplied by itself each item tion This, i increases with the enn 22° 22° = n t= log(login)) co there are log(login)) I terat to as. O(log(log(n))) b) We only care about how many tires the inner tor loop will wrigger. The it somewhat tringers when i = 17, 217, 317, 4, 15 -- 10 17 since even instance is cheed, the summitten is (12)3 + (212)3 + (212)3 + -- (1212)3 = \(\times \(\times \) \(\ti V,15 Q(W) No Cur) = 0 (n"2)

(a)
$$\frac{1}{1} \frac{1}{1} \frac{1}{1}$$