Algorithm quiz1(n)
int r1

if (n == 1)

$$r1 = 12$$
else

 $r1 = n + quiz1(n/2)$
end if
return (r1)

$$V_1 = 32 + \frac{32}{2} + \frac{32}{4} + \frac{32}{4} + \frac{32}{16} + \frac{32}{32}$$

Quiz 2 Algorithm quiz2(n) quiz2(0) = ?if (n==8)println("Go Back!") else println(n + " Hello!") quiz2(n+2)println(n + "Bye!") end if end quiz2 92(0) Hellol q 2 (2) Hellol q2(4) Hello q2(6) Hellol Go Back! 42(4) Bye! Byel Byel Byc!

$$= 2 (0+7)+7$$

$$= 14+7 = 21 \#$$

$$q_{3}(17) \rightarrow 2(q_{3}(12))+7$$

$$\Rightarrow 2(2(g_3(7))+7)+7$$

$$\Rightarrow 2(2(2(g_3(2))+7)+7)+7$$

$$\Rightarrow 2(2(2(6)+7)+7)+7$$

= 2(2(19)+7)+7