(b)
$$P(1)$$
 (c) $P(2)$ (c) $P(3)$ (d) $P(4)$ (e) $P(4)$ (f) $P(4)$

$$\begin{array}{l}
\text{N= ((n + 7n \forall N \geq 18) \\
\text{base cases:} \\
19= u(1) + 7(2) | 19= u(3) + 7(1) | 20 = u(1) + 7(0) | 21 = u(0) + 7(3) \\
= u(1) | 19= u(1) | 19= u(1) + 7(1) | 20 = u(1) + 7(0) | 21 = u(0) + 7(3) \\
= u(1) | 19= u(1) |$$

$$\begin{array}{lll}
\text{(5)} & \text{(6)} & \text{$$

(b) a)
$$a_n = 2^n$$

$$a_1 = 3^n = 5$$

$$a_2 = 2^n$$

$$a_1 = 3^n = 5$$

$$a_2 = 2^n$$

$$a_n = a_{n+1} + 3$$

$$a_n = 2^n = 2^n$$

$$a_n = a_{n+1} + 3$$

(8) des foo(n,a):

if (n==1):

return a

eisc:

return for (n-1,a) + a