$$2(a)F(n): 3n^2 + 5$$

For any 
$$c: Cn < 3n^2$$

(when n7C)

Hence,  $3n^2 + 5 \neq 0(n)$ 

(p) 
$$t(u) = u_{i,1}$$

3 (v) = v

For any 
$$c$$
:  $C n < n^{1.1}$ 

(when N >C)

Hence,  $\eta^{1.1} \neq O(n)$ 

(c) 
$$n^2 \log_1(n) \in \Theta(n^2)$$

$$\Lambda^2 \log(n) = \Omega(n)$$

$$n^2 \log(n) \neq O(n)$$

Hence , n 2 log (n) \$ \text{O(n2)}

(a) 
$$F(n) = 2^n$$

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JUIL] - . . .

for any 
$$C_{E}$$
  $C_{NL} > 2^{n}$ 

When  $n>3$ 

$$3(v) = v_4$$
(6)  $E(v) = v_4 + v_3$