11 /WN 21p'slib "270 320414741

 $\frac{\#1 \text{ Note}}{|| (1)| (1)|} = \frac{\#1 \text{ Note}}{|| (1)|} = \frac{\#1 \text{ No$

2 400 #2 2 Ace

 $A \leftarrow A \in P(B) \leftarrow AB \subseteq P(B)$ $\forall x(x \in A \Rightarrow x \in B) \leftarrow B \in B$

NASTINA .3317 /47 W P(A) Se 7216 So

1312 /411 P(A) Se 7216 So \rightleftharpoons A .73/6N $\forall x (x \in P(A) \Rightarrow x \in P(B)) \Leftarrow$ B .726 NATIONAL P(A) \rightleftharpoons P(B) \Leftarrow

¿ 400 #2 18/ce

: '> n'>>, \sen 72 "x n'>1)

 $P(A \circ B) = P(A) \circ P(B) \wedge ((A \neq B) \wedge (B \neq A))$

 $A \neq B \Rightarrow \exists A, (A, \in A \land A, \neq B)$

 $B \notin A \Rightarrow \exists B, (B, \in B \land B, \notin A)$

A, B, E HUB => IC(CEP(AUB) NA.EC NB,EC)

 $(C \in P(A \circ B)) \land (P(A \circ B) = P(A) \circ P(B)) \Rightarrow C \in P(A) \circ P(B)$

 $\implies (\epsilon P(A) \Rightarrow B, \epsilon A)) 10$

=> (∈ P(B) => A, ∈B 11'10

le fro #3 18he

((A \cap B)^c \in A) \lambda \frac{1}{2} \lambda \lam

le fro #4, She 2 fro #4 ssle $\bigcap_{n=0}^{\infty} A_n^c = \left(\bigcup_{n=0}^{\infty} A_n\right)^c = \left(N\right)^c = \phi$ c 4.00 #4 ssle $\tilde{U}(A_{2n} \setminus A_n) = A_o / A_o \phi \cup A_2 \setminus A_1 \cup A_n \setminus A_2 \cup ...$ $A_{2n} \setminus A_n = \{0,1,...,n\} \setminus \{0,1,...,n\} = \{0 \le x \le 2n \mid x > n\} = \{0,1,...,n\}$ $= \int x | n < x \leq 2n$ $\forall n, (n, \in \mathbb{N} \land n, \geq 1 \Rightarrow \exists (A_{2n} \setminus A_n)(n \leq n, \leq 2n \Rightarrow n, \in A_{2n} \setminus A_n)$ $\widetilde{U}(A_{2n}\backslash A_n) = N\backslash \{0,1\}$ 3 4.00 #4 2 She $\overset{\sim}{\cup} (A_{n+1} \cap A_n^c) = (A_1 \cap A_0^c) \cup (A_2 \cap A_1^c) \cup \dots$ $A_{n+1} \cap A_n^c = b_{0,1,\ldots,n,n+1} \cap (N \setminus A_n) =$ = 20,1,...,n,n+13,n+1,n+2,...3 = 2n+13∀n(n∈N => An+1 nAn = n+1>0) =>

 $\widetilde{\mathcal{O}}\left(A_{n+1} \cap A_{n}^{c}\right) = \mathcal{N} \setminus \{0\}$