

Valutare le seguenti affermazioni e stabilire se sono vere o false (rispondere mettendo solo una crocetta nel quadrato corrispondente alla risposta; non é necessario scrivere giustificazioni sui fogli da consegnare).

$\forall n \in \mathbf{N}^+$  risulta  $\mathbf{N} \subseteq [0, n]$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $[0, n] \subseteq \mathbf{N}$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $\{0, n\} \subseteq \mathbf{N}$   vero  
 falso

$\exists n \in \mathbf{N}^+ : \mathbf{N} \subseteq [0, n]$   vero  
 falso

$\exists n \in \mathbf{N}^+ : [0, n] \subseteq \mathbf{N}$   vero  
 falso

$\exists n \in \mathbf{N}^+ : \{0, n\} \subseteq \mathbf{N}$   vero  
 falso

$\exists n \in \mathbf{N}^+ : \mathbf{N} \subseteq \{0, 2, 3, n\}$   vero  
 falso

$\exists n \in \mathbf{N} : \{3, n\} \subseteq \{2, n + 1\}$   vero  
 falso

$\exists n \in \mathbf{N} : \{2, n + 1\} \subseteq \{3, n\}$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $\mathbf{Z} \subseteq [-n, 0] \cup [0, n]$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $\mathbf{Z} \subseteq \{-n, 0\} \cup \{0, n\}$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $\{-n, 0\} \cup \{0, n\} \subseteq \mathbf{Z}$   vero  
 falso

$\exists n \in \mathbf{N} : \mathbf{Z} \subseteq [-n, 0] \cup [0, n]$   vero  
 falso

$\exists n \in \mathbf{N} : \mathbf{Z} \subseteq \{-n, 0\} \cup \{0, n\}$   vero  
 falso

$\exists n \in \mathbf{N} : \{-n, 0\} \cup \{0, n\} \subseteq \mathbf{Z}$   vero  
 falso

$\forall n \in \mathbf{N}^+$  risulta  $\{-n, 0\} \cap \{0, n\} \subseteq \mathbf{Z}$   vero  
 falso

$\exists n \in \mathbf{N} : 4 \in \{-n, 0\} \cup \{0, n\}$   vero  
 falso

$\exists! n \in \mathbf{N} : 4 \in \{-n, 0\} \cup \{0, n\}$   vero  
 falso

$\exists! m \in \mathbf{Z} : 4 \in \{-m, 0\} \cup \{0, m\}$   vero  
 falso

$\exists n \in \mathbf{N} : 4 \in \{-n, 0\} \cap \{0, n\}$   vero  
 falso

$\exists! n \in \mathbf{N} : n \in \{-4, 0\} \cap \{0, 4\}$   vero  
 falso

$\exists! n \in \mathbf{N} : n \in \{-4, 0\} \cup \{0, 4\}$   vero  
 falso

$\forall m \in \mathbf{Z}$  risulta  $m \notin ]-1, 0[ \cup ]0, 1[$   vero  
 falso

$\exists x \in \mathbf{R} : ]2, 5[ \cup ]5, 8[ \subseteq ]2, x[$   vero  
 falso

$\exists x \in \mathbf{R} : ]2, 6[ \cap ]5, 8[ \subseteq ]2, x[$   vero  
 falso

$\exists x \in \mathbf{R} : ]2, 6[ \cap ]5, 8[ \subseteq ]5, x[$   vero  
 falso

$\exists x \in \mathbf{R} : ]2, 6[ \setminus ]5, 8[ \subseteq ]2, x[$   vero  
 falso

$\exists x \in \mathbf{R} : ]2, 6[ \setminus ]5, 8[ \subseteq ]5, x[$   vero  
 falso

$\exists x \in \mathbf{R} : ]x, x + 1[ \cap \mathbf{N} \neq \emptyset$   vero  
 falso

$\forall x \in \mathbf{R}$  risulta  $]x, x + 1[ \cap \mathbf{Z} \neq \emptyset$   vero  
 falso