

## The Symbol:

1.  $\mathbb{N}$
2.  $\mathbb{N}^*$
3.  $\mathbb{J}$
4.  $\mathbb{Q}$
5.  $\mathbb{H}$
6.  $\exists$
7.  $\nexists$
8.  $\ni$
9.  $\in$
10.  $\notin$
11.  $\cup$
12.  $\cap$
13.  $\subseteq$
14.  $\subset$
15.  $<$
16.  $\leq$
17.  $>$
18.  $\geq$
19.  $f(x)$
20. *iff*
21. TST
22.  $D_f$
23.  $R_f$
24.  $\therefore$

## It's Meaning:

1. The set of natural numbers
2. The set of natural numbers plus the number
3. The set of integers
4. The set of rational numbers
5. The set of irrational numbers
6. There exist
7. Does not exist
8. Such that
9. Belongs to or is an element of
10. Does not belong to or is not an element of
11. Union
12. Intersection
13. Is a subset of
14. Is a proper subset of
15. Less than
16. Less or equal to
17. Greater than
18. Greater than or equal to
19.  $f$  of  $x$
20. if and only if
21. The statement that
22. Domain of  $f$
23. Range of  $f$
24. Therefore