The Set Q of Rational Number's

Suldanaction à Introduced

Include or the sor's

$$\mathcal{A} = \{0, 1, -1, 2, -2, 3, -3, \dots \}$$

bexboretin in nisivib

 $\sqrt{1}$

2'northard We show

$$Q = \int m \mid m, n \in \mathbb{Z}, n \pm 0$$

The \emptyset is a very rice algebraic system until one toxies to solve equalities $x^2=2$ The \emptyset is a very rice algebraic system until $x^2=2$ The \emptyset is a very rice algebraic system until 0.

Donoitable for that there are lots of rational form and respect one "apply" and set have ano L'resonner

Definition:

A number is called an algebraic rumber if it satisfies a polynomial equ

one imposer; $(u \neq 0)$ and $u \neq 0$.

One of the co-efficients $(0, C^{1}) \cdot (u \neq 0)$ Cut $u \neq 0$ and $u \neq 0$.

Ex1: Algebraic number!

- (a) 4 => 17x-4=0
- D JI => x²-3=0
- $= \int (x_3 5)_2 1 = 0$ $\int S + 2 = \int x_3 5 = 2 = 2$
- $\frac{3}{4-523} = 3\left(\frac{5}{4-4x_5}\right) 3=0$