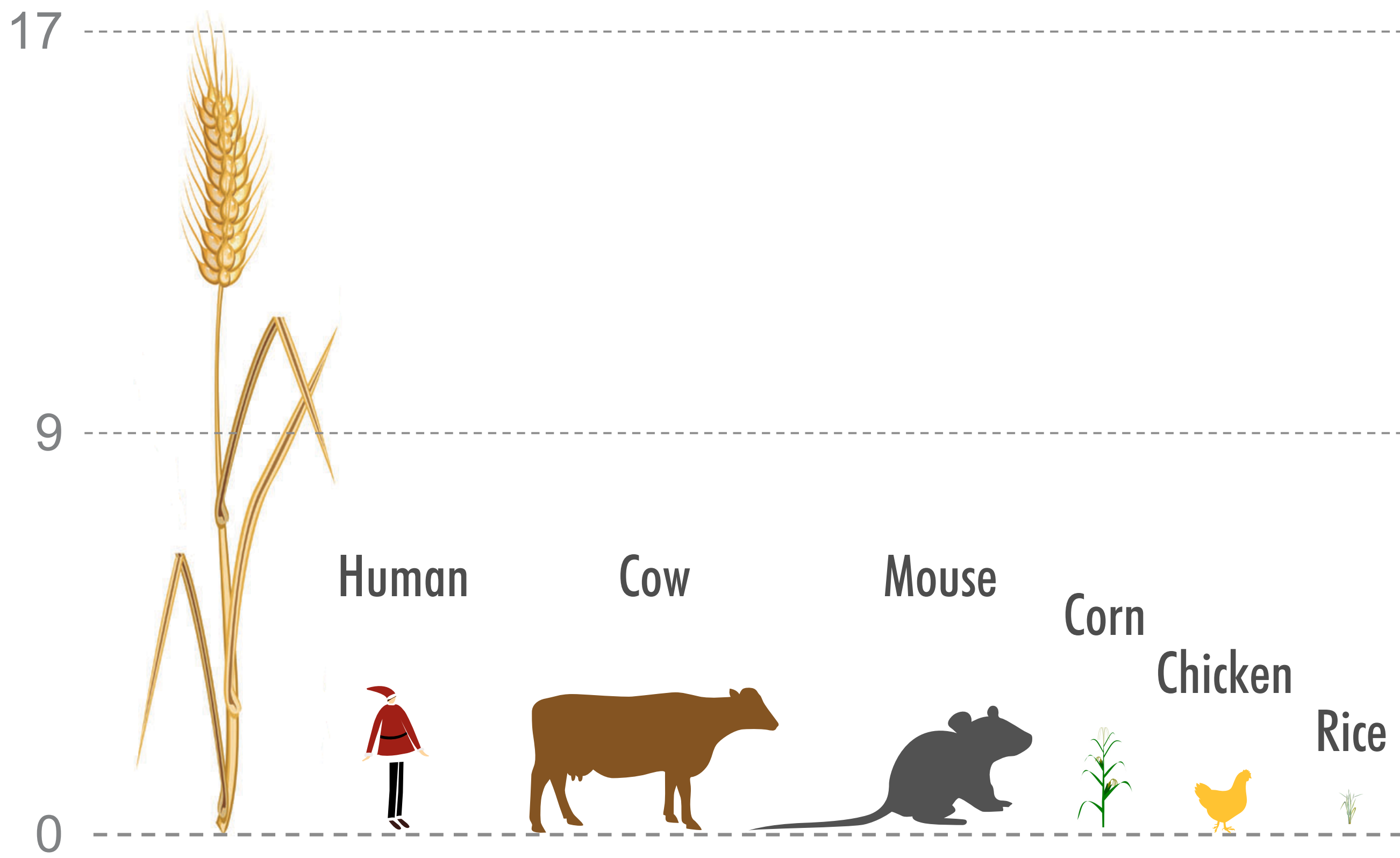


# THE BREAD WHEAT GENOME



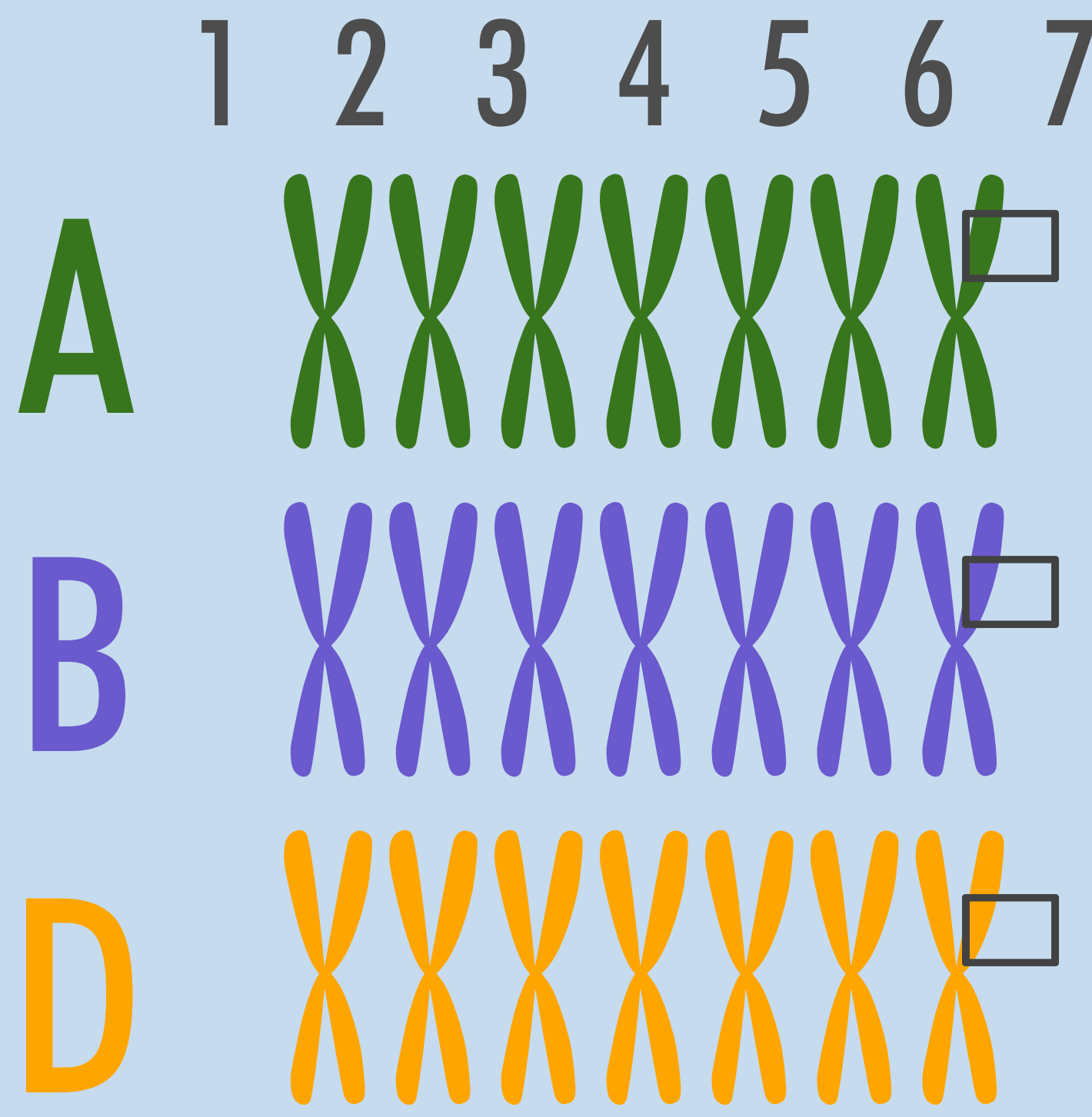
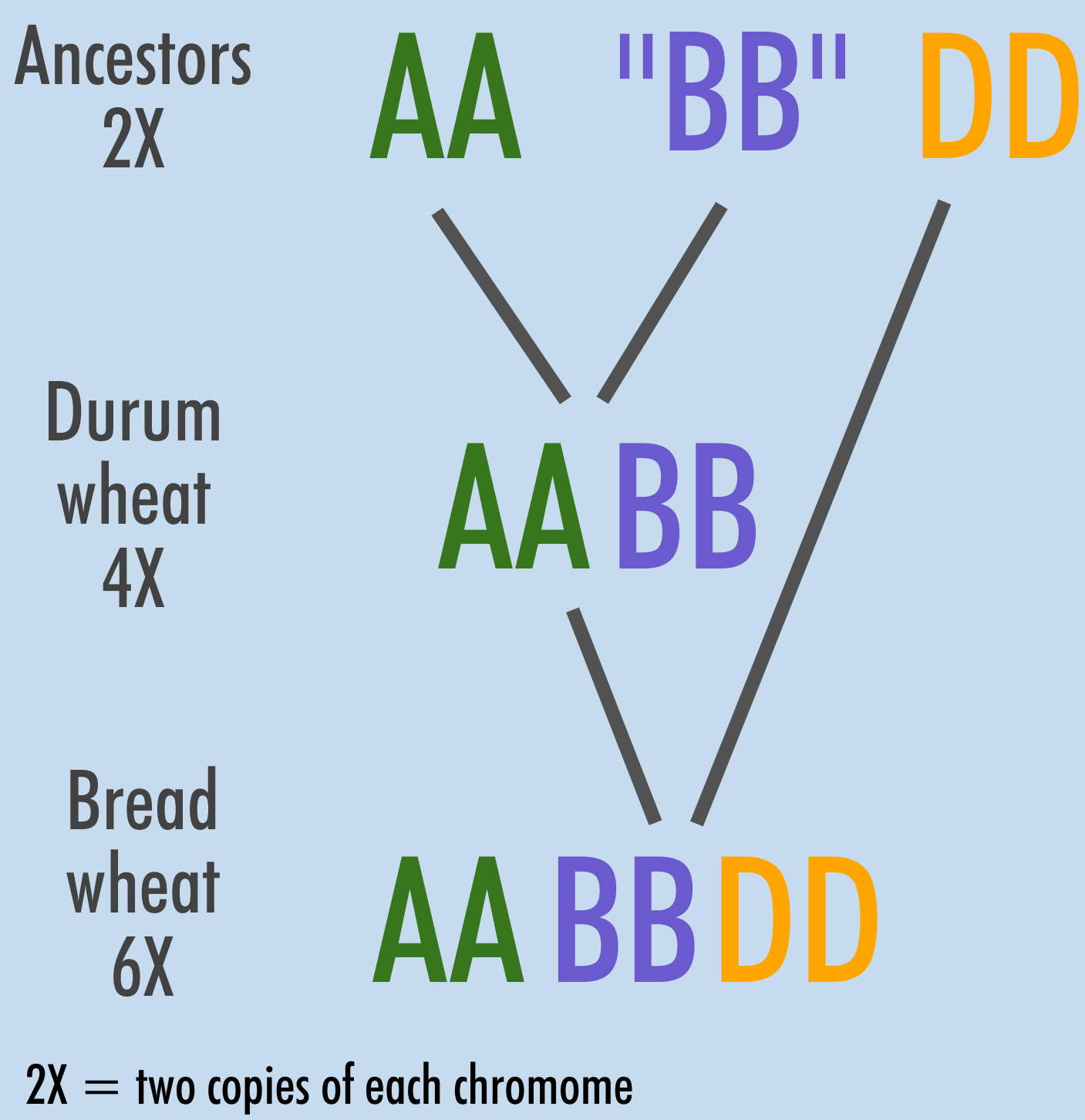
## Five times larger than the human genome



16 Gb !!

35 times larger than the rice genome

## Three genomes combined



Three sets of chromosomes

21 chromosomes in 2 copies = 42 chromosomes

110,000 to 150,000 genes

## Similar genes and a lot of repetitions

- the three sets of chromosomes have highly similar gene contents
- more than 80% of the genome is made of repetitive elements
- genes represent only 2% of the genome

