

- ① Rechne die Zahlen aus dem Dualsystem in das Dezimalsystem um. Nutze dazu die Stellenwerttafel.

a) 101_2

b) 1010_2

c) 1000_2

d) 100_2

e) 111_2

f) 1011_2

g) 10101_2

h) 111001_2

i) 101011_2

j) 1100011_2

[illegible]

- ② Wie das Dezimalsystem kann das Dualsystem für größere Zahlen beliebig erweitert werden. Große Zahlen haben dann mehr Stellen.

Wandle die Zahl 1000110101_2 ins Dezimalsystem um. Berechne dafür zuerst die Werte der einzelnen Stellen.

[illegible]

- [illegible]

- [illegible]

A full page of blank graph paper with a uniform grid of small squares. The grid consists of 20 columns and 20 rows, creating a total of 400 small square units. The lines are thin and black, set against a white background. There are no margins or additional markings on the page.

The diagram illustrates the construction of binary numbers using a grid of boxes. Each box is divided into three sections: a left section for a digit, a middle section for the number, and a right section for a digit. The numbers shown are 10₂, 110₂, 1000₂, 11₂, 1100₂, and 10011₂. The boxes are arranged in two rows of three. The first row shows the construction of 10₂, 110₂, and 1000₂. The second row shows the construction of 11₂, 1100₂, and 10011₂. The boxes are labeled with the numbers 10₂, 110₂, 1000₂, 11₂, 1100₂, and 10011₂ in the middle section.

[illegible]