**21st September 2021**

Number system and representation

Number system base (2,8,10) are also called radix

Graphical user interface, application, table, Excel

Description automatically generated

Table

Description automatically generated

if r1 < r2 (radix)

then n1 > n2 (Number of digits)

Table

Description automatically generated

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Text

Description automatically generated with low confidence

BINARY ADDITION AND SUBTRACTION

Calendar

Description automatically generated

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**24th September 2021**

Booth's Algorithm for multiplication of 2 signed binary numbers

If value is < 8, use 3 bits to represent magnitude.

Online: <https://www.grahn.us/projects/booths-algorithm/>