

Digital Logic

* Number System Lecture 1 How to Represent Number Ist was unary mub number system we can represent the number in base I with any symbyols like stone etc. Decimal number system 239.625 (2) 239.625 $2 \times 10^{2} + 3 \times 10^{1} + 9 \times 10^{6} + 6 \times 60^{-1} + 2 \times 10^{2}$ Representation → weighted code: ex: 10 → 2 weight digit → If should be in decreasing power 239.625

-5 .25 .695 X/0 XIO XIO 23 6.25 5.6 0 · Base -> total number of digit supported by number system. Digit = Remainder generated when divided by Base? 234.25 239.625 29 Base 578.25 -

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