

| $E$ | 0 |
| :--- | :--- |
| $T$ | 11 |
| $N$ | 100 |
| I | 1010 |
| S | 1011 |

July 2, 2008
IUCEE: Data Structures Activities

Draw a Huffman tree for the following data values and show internal weights: $3,5,9,14,16,35$

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## AVL Trees

- What is the most important aspect of AVL trees?



## Splay Trees

- What is the most important aspect of Splay trees?


## Splay E (submit your answer)



Draw an in-tree representation of the following equivalence relation
$\{1,11\},\{2,4,6,8,10,12\},\{3,5,7,9\},\{13\},\{14\},\{15\}$

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## Binomial Trees

- Draw $\mathrm{B}_{4}$
- What is the height of $B_{k}$ ?
- What is the weight of $B_{k}$ ?


