# Problem #1

Given a max node, *i*, its bit values are:

Max

**Min**

|  |  |  |  |  |  |  |  |  |  |
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|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **A** |  |  |  |  |  |  |  |  |  |
| **B** |  |  |  |  |  |  |  |  |  |
| **C** |  |  |  |  |  |  |  |  |  |
| **D** |  |  |  |  |  |  |  |  |  |
| **E** |  |  |  |  |  |  |  |  |  |
| **F** |  |  |  |  |  |  |  |  |  |
| **G** |  |  |  |  |  |  |  |  |  |
| **H** |  |  |  |  |  |  |  |  |  |
| **I** |  |  |  |  |  |  |  |  |  |

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| **A** |  |  |  |  |  |  |  |  |  |
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|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **A** |  |  |  |  |  |  |  |  |  |
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|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **A** |  |  |  |  |  |  |  |  |  |
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