Hexadecimal digits

<table>
<thead>
<tr>
<th>decimal</th>
<th>symbol</th>
<th>bit pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>8</td>
<td>1000</td>
</tr>
<tr>
<td>9</td>
<td>9</td>
<td>1001</td>
</tr>
<tr>
<td>10</td>
<td>a</td>
<td>1010</td>
</tr>
<tr>
<td>11</td>
<td>b</td>
<td>1011</td>
</tr>
<tr>
<td>12</td>
<td>c</td>
<td>1100</td>
</tr>
<tr>
<td>13</td>
<td>d</td>
<td>1101</td>
</tr>
<tr>
<td>14</td>
<td>e</td>
<td>1110</td>
</tr>
<tr>
<td>15</td>
<td>f</td>
<td>1111</td>
</tr>
</tbody>
</table>

11-bit exponent bitstrings in IEEE double

<table>
<thead>
<tr>
<th>bitstring</th>
<th>decimal value</th>
<th>exponent</th>
</tr>
</thead>
<tbody>
<tr>
<td>(0000000001)₂</td>
<td>(1)₁₀</td>
<td>-1022</td>
</tr>
<tr>
<td>(0000000010)₂</td>
<td>(2)₁₀</td>
<td>-1021</td>
</tr>
<tr>
<td>:</td>
<td>:</td>
<td>:</td>
</tr>
<tr>
<td>(0111111111)₂</td>
<td>(1023)₁₀</td>
<td>0</td>
</tr>
<tr>
<td>(1000000000)₂</td>
<td>(1024)₁₀</td>
<td>1</td>
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<tr>
<td>:</td>
<td>:</td>
<td>:</td>
</tr>
<tr>
<td>(11111111101)₂</td>
<td>(2045)₁₀</td>
<td>1022</td>
</tr>
<tr>
<td>(11111111110)₂</td>
<td>(2046)₁₀</td>
<td>1023</td>
</tr>
</tbody>
</table>
