

1

3

2

2

2

1

1

1

0

The diagram shows a 3x3 grid of numbers on the left and a 3x3 grid of binary digits on the right. A large green arrow points from the bottom-right cell of the first grid to the bottom-right cell of the second grid. Red arrows indicate the transformation of each cell:

- Top row: 1 → 0, 3 → 2, 2 → 1
- Middle row: 2 → 1, 2 → 1, 1 → 0
- Bottom row: 1 → 1, 1 → 1, 0 → 0

The resulting binary grid is:

0	2	1
1	1	0
1	1	0

The diagram illustrates the step-by-step construction of a Huffman tree. It shows a grid of numbers representing node frequencies. Red arrows indicate the merging of nodes. A green arrow points to the root node, which is highlighted with a green box. A green 'X' marks the final step where the root node is reached.

1	3	2	→	0	2	1
2	2	1	→	1	1	0
1	1	0	→	1	1	0
				↓	↓	↓
				0	1	1
				1	0	0
				1	0	0



