Example

Imagine a three-way election, and four voters:

Voter	Choice
V_1	010 (candidate B)
V_2	100 (candidate C)
V_3	001 (candidate A)
V_4	001 (candidate A)

Tabulation is base-M addition, where M is greater than the number of voters. The result is $010 + 100 + 001 + 001 = 112$. Each position gives us the number of votes for each candidate: 2 for A, 1 for B, and 1 for C. A is the winner.