



# Example

| cats | house | ho | children | income |
|------|-------|----|----------|--------|
| 1    | 0     | 1  | 1        | 34     |
| 0    | 1     | 0  | 1        | 58.3   |
| 1    | 1     | 1  | 0        | 71.5   |
| 0    | 0     | 0  | 1        | 74.9   |
| 0    | 0     | 0  | 1        | 75.3   |
| 1    | 0     | 0  | 1        | 75.6   |
| 0    | 0     | 0  | 1        | 81     |
| 1    | 1     | 1  | 0        | 82.3   |
| 1    | 1     | 1  | 0        | 85.6   |
| 1    | 1     | 1  | 1        | 95.4   |

$$GI = 1 - \sum_{i=1}^n p_i^2$$

