

C1.1

University + CourseID

C1.2

University + StudentID

C2

$$F = (1 - e^{-kn/m})^k$$

C2.1

$$K = \frac{m}{n} * \ln 2$$

C2.2

$$\text{Min}(m) = n * \log_2(1/F)$$

C2.3

When $n/m > 0.48127$ (around $\log(1 + \sqrt{5}) - \log(2)$), two hash functions has a better performance