\[ AQ = A^2 + 13'^2 = A + 13Q \]

\[ \beta + x \cdot \beta' = \alpha + y \cdot \beta + (\alpha - y \cdot \beta) \]

\[ \beta + x \left[ \frac{-ax}{2a+b-1} + \beta \right] = \alpha + y \left[ b + (a - y \cdot \beta) \right] \]

\[ 1 + x = \beta \eta \]

\[ \eta = \frac{1 + x}{\beta} \]

\[ \frac{-ax}{2a+b-1} = 1 + (\beta - 1) \eta \]

\[ \eta = \frac{-ax}{2a+b-1} + \frac{1}{(\alpha - a)} \]

\[ (1 - a)(1 + x) = \frac{ax}{2a+b-1} \]

\[ 1 + x = \frac{ax}{2a+b-1} - \frac{ax}{b} \]

\[ 2a + 2ax - 2a^2 - 2ax + b + b - 1 = -ax - 1 - x + \alpha + ax = ab - x \]

\[ (2a + b - 1)(1 - a)(1 + x) = ab - x \]

\[ (2a + b - 1)(1 - a) + (2a + b - 1)(1 - a)x = ab - x \]

\[ (2a + b - 1)(1 - a) - a \beta x = (2a + b - 1)(a - 1) \]

\[ x = \frac{2a + b - 1}{(2a + b - 1)(1 - a) - ab} \]

\[ 1 + x = 1 + \frac{(2a + b - 1)(a - 1)}{(2a + b - 1)(1 - a) - ab} = \frac{-ab}{(2a + b - 1)(1 - a) - ab} \]

\[ AQ = \frac{\alpha}{(2a + b - 1)(1 - a) - ab} \left[ b + (a - 1)x \right] \]
To the Students:

The Faculty congratulate the students on the increased facilities afforded them for literary culture and enjoyment by the opening of the Reading Room in Newcomb Hall. It is the earnest wish of the Faculty that the advantages thus offered may be realized, in the highest degree possible, by all connected with the University; and in order to this end, they have published some Regulations for the government of the room, to which they desire, through this paper, to call the attention of the students.

The rules which have been adopted are deemed essential to the orderly conduct and success of the Reading Room, being, in substance, such as are prescribed for rooms of a similar character in other places. The propriety of those that are designed to secure good order and quiet is so obvious, that nothing need be said to enforce them.

The last two Regulations have reference to the protection and becoming appearance of the room itself and its contents; and respecting each of these a single remark will suffice:

First, it is due to the generous friend whose noble benefaction enabled the University to erect the Hall, that the building in all its parts and appointments should be carefully preserved from wanton or needless injury and defacement.

Second, from its character and its position in the Hall it is safe to assume that the Reading Room will attract the particular notice of all visitors of the University grounds. It must be the wish of the students, no less than of the Faculty, that this room and all belonging to it should be found, at all hours, in a condition to be inspected without discredit to those who use it or those who have it in charge.

The Faculty feel assured of the co-operation of the students in the endeavor to render the Reading Room, as it ought to be, an ornament as well as a valuable auxiliary to the University.

On behalf of the Faculty,

G. W. C. Lee,
President.