

$$7 \times 24 \times 60 \times Utilisation\%$$

$$\left\lfloor \frac{7 \times 24 \times 60 \times Utilisation\%}{RPT} \right\rfloor$$

$$load\ size \times chamber\ count$$

$$load\ size \times chamber\ count \times \left\lfloor \frac{7 \times 24 \times 60 \times Utilisation\%}{RPT} \right\rfloor$$

$$\frac{a_1 n_1 - 5000}{b_1} \times RPT_1 = c_1 (mins)$$

$$\left\lfloor \frac{\left\lfloor \frac{c_{x-1}}{RPT_x} \right\rfloor \times b_x + a_x n_x - 5000}{b_x} \right\rfloor \times RPT_x = c_x$$

$$\left\lfloor \frac{c_{x-1}}{RPT_x} \right\rfloor \times b_x + a_x n_x - 5000 > 0$$

$$n_1 + n_2 + \dots + n_x$$

$$r_x = \left(\left\lfloor \frac{c_{x-1}}{RPT_x} \right\rfloor \times b_x + a_x n_x - (5000 - r_{x-1}) \right) \% b_x$$

(5%2 is remainder of 5 when divided by 2, which is 1)

$$\left\lfloor \frac{\left\lfloor \frac{c_{x-1}}{RPT_x} \right\rfloor \times b_x + a_x n_x - (5000 - r_{x-1})}{b_x} \right\rfloor \times RPT_x = c_x$$