

cxp-v0.1.29

according to @supeshoots - ei.brndt.ca - revised 2023-09-28

$$\text{score} = \text{base points} + \text{duration points} \times \text{contract length}$$

$$\text{base points} = 1$$

$$\text{duration points} = \frac{1}{259200}$$

$$\text{contract length} = \text{originalLength}$$

$$\text{score} = \text{score} \times \text{grade multiplier}$$

$$\text{grade multiplier} = \begin{cases} 7, & \text{grade} = \text{GRADE_AAA} \\ 5, & \text{grade} = \text{GRADE_AA} \\ 3.5, & \text{grade} = \text{GRADE_A} \\ 2, & \text{grade} = \text{GRADE_B} \\ 1, & \text{grade} = \text{GRADE_C} \end{cases}$$

$$\text{score} = \text{score} \times \text{completion factor}$$

$$\text{completion factor} = 1^{[1]}$$

$$\text{score} = \text{score} \times \text{contribution factor}$$

$$\text{contribution factor} = \begin{cases} 3 \times \text{contributionRatio}^{0.15} + 1, & \text{contributionRatio} \leq 2.5 \\ 0.02221 \times \min(\text{contributionRatio}, 12.5) + 4.386486, & \text{contributionRatio} > 2.5 \end{cases}$$

$$\text{score} = \text{score} \times \text{completion time bonus}$$

$$\text{completion time bonus} = 4 \times \left(1 - \frac{\text{completionTime}}{\text{originalLength}} \right)^3 + 1$$

$$\text{score} = \text{score} \times \text{teamwork bonus}$$

$$\text{teamwork bonus} = 0.19 \times \text{teamworkScore} + 1$$

$$\text{score} = \lceil \text{score} \times 187.5 \rceil$$

[1] cases where completionPercent $\neq 1$ do not interest me