

Co-op
P does not
matter

Teams
P does not
matter

Ranked
P matters

Party
P does not
matter

$$E = \frac{T}{(R/P)} + XT$$

$$\text{Co-op: } P = \frac{P^*}{\text{teams}}$$

$$P = \text{teams}$$

$$E = XT$$

$$E_{\text{party}} = XT + \begin{cases} \text{if loss} & \frac{2}{3}yt \\ \text{if win} & yt \end{cases}$$

Or

$$E_{\text{party}} = \begin{cases} \text{if win} & Xt \quad \{x \text{ divisible by } 3\} \\ \text{if loss} & \frac{2}{3}Xt \quad \{x=3y\} \end{cases}$$

$$E_{\text{co-op}} = \begin{cases} \text{if win} & Xt \quad \{x=3y\} \\ \text{if loss} & \frac{2}{3}Xt \end{cases}$$

$$E_{\text{teams}} = \begin{cases} \text{if win} & Xt \quad \{x=3y\} \\ \text{if loss} & \frac{2}{3}Xt \end{cases}$$

$$E_{\text{ranked}} = \frac{2}{3}Xt + \begin{cases} \text{if loss} & 0 \\ \text{if 1st} & Zt \\ \text{if 2nd} & \& P \geq \alpha_1 \\ \text{if 3rd} & \& P \geq \alpha_2 \\ \text{if 4th} & \& P \geq \alpha_3 \end{cases}$$

$$\left\{ \frac{X}{3} \leq Z \leq X \right\}$$

$$\frac{Zt}{(R/3)}$$

$$\alpha_1 = 3$$

$$\alpha_2 = 4$$

$$\alpha_3 = 6$$

Variables

$\alpha_1 \quad \alpha_2 \quad \alpha_3$
benchmarks

winner's constant

\sum

y

x before
multiple of 3

$f = \frac{2}{3}$ in above functions

f

Time(T) # of Players (P)
Experience (E) Rank (R)

Base:

$$E = 10T + \frac{P}{4}T = T(10 + \frac{P}{4})$$

$$E = \underbrace{T}_{\text{flat rate}} + \underbrace{T}_{\text{Players}} + \underbrace{\frac{T}{R}}_{\text{win/rank}}$$