

$$t(R, 0) = |R - 0|$$

$t_{\text{Server}} = \text{Servers observed time}$

$$t_{\text{transfer}} = |R - 0|$$

Packet	O	R
1	500	600
2		
3		

$$- R - 0 = \underbrace{F + T_r}_{100 - 50 = 49 + 1}$$

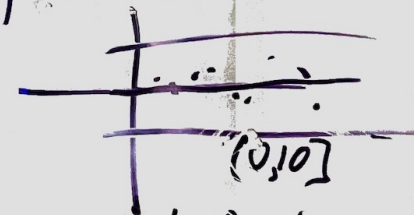
$$49 = 125 - 170$$

$$(\sqrt{tr})^2 = (\sqrt{|0 - R|})^2$$

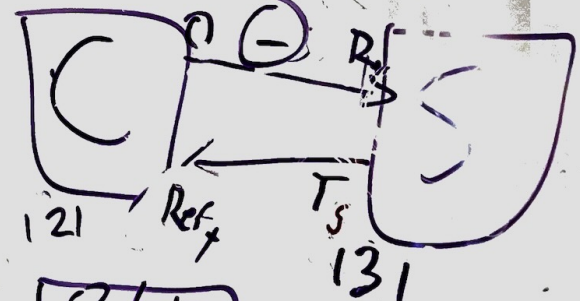
$$|tr| = 0 - R$$

$$t_r = |0 - R_s| \quad |tr| - R = 0$$

UT request



120 1 130



0	FF
R ₁	FF
T ₁ S ₁	FF

-- = trans
C₄ = Ref₁

M₁
M₂
M₃
M₄

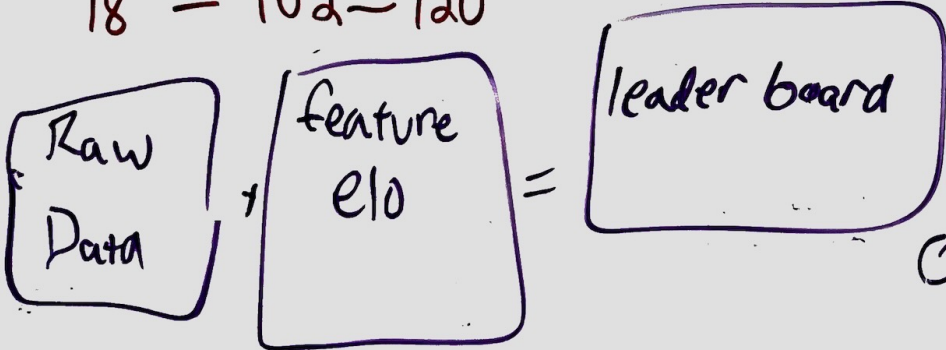
C1
C2
C3
C4
origin

$$-(t_s + t_r) - |tr| + R_s$$

last sync = Reference (P-1) - origin

Predicted elo - Actual elo = error

$$18 = 102 - 120$$



P₁ P₂ P₃

O, R, T