$$f(\bar{x}) - f(x^{**}) = f\left(\frac{1}{2}x^{**}\right) - f(x^{*})$$

$$= \frac{1}{2}f(x^{*}) - f(x^{*})$$

$$= \frac{1}$$

$$||a-b||^2 = ||a||^2 + ||b||^2 - ||a-b||^2$$

$$||a-b||^2 + ||b||^2 - ||a-b||^2$$

$$\frac{1}{3} \left(\frac{1}{3} \sqrt{t} \right)^{2} \left(x^{t} - x^{2} \right)$$

$$\frac{1}{23} \left(-11 \times t^{t} - x^{2} - 7 \sqrt{t} \right)^{2} + 11 \times t^{2} - x^{2} \left[1^{2} + 7^{2} \right] \left[1 \sqrt{t} \right]^{2}$$

$$\frac{1}{23} \left(-11 \times t^{t+1} - x^{2} \right)^{2} + 11 \times t^{2} - x^{2} \left[1^{2} + 7 \right]^{2} + 7 \left[1 \sqrt{t} \right]^{2}$$

$$\frac{1}{23} \left(-11 \times t^{t+1} - x^{2} \right)^{2} + 11 \times t^{2} - x^{2} \left[1^{2} + 1 \right]^{2} + 7 \left[1 \sqrt{t} \right]^{2}$$

$$\frac{1}{23T} \sum_{||x'-x'||^2 - ||x''-x''|^2} + \frac{m}{r^2} \sum_{||v_{k}||^2} \frac{1}{||x'-x''|^2 - ||x''-x''|^2} + \frac{m}{r^2} \sum_{||v_{k}||^2} \frac{1}{||x'-x''|^2 - ||x'''-x''|^2} + \frac{m}{r^2} \sum_{||v_{k}||^2} \frac{1}{||x'-x''|^2} + \frac{m}{r^2} \sum_{||v_{k}||^2} \frac{$$