COARM OF CALC

Total read = (warmpared x asomup echies + (stoody pared x taget temp worm plans = (taget temp-current temp) worm protes women protes

Total road ->h; Target temp->x; Start temp->s; comprate ->u

$$h = \frac{x-s}{2} \times \frac{x+s}{2} + 3c(p - (x-s))$$

$$= \frac{x^2 - s^2}{2co} + xp - \frac{x^2 - sx}{co}$$

$$= \frac{x^2 - s^2}{2co} + \frac{x}{2} + \frac{x}{2} + \frac{2x^2 + 2cx}{2co}$$

 $\frac{1}{5} \cdot 2hw = x^2 - S^2 + 2xcy - 2x^2 + 2sx$ $= -x^2 + 2sx + 2xcy = 2hw - S^2$ $= -x^2 + 2sx (stwp) - 2hw - S^2$ $\frac{1}{5} - x^2 + 2(stwp)x - 2hw - S^2 = x$ $\frac{1}{5} - x^2 + 2(stwp)x - 2hw - S^2 = x$

+ / 4 (stup) 2 - 8hw-452 $\pm\sqrt{(stup)^2-2hus-s^2}$ The -ve root seems to be the one ened been see