2006 V

$$(Ca^{2+}) = 0.02$$
 $\pm (Cax^{2})_{ekr} = 0.01M$ $HX^{3-} = H^{+} + x'' - K_{1} = 5.5 \cdot 10^{12}$
 $(EDTA) = 0.02$ $\pm (Cax^{2})_{ekr} = 0.01M$ $HX^{3-} = H^{+} + x'' - K_{1} = 5.5 \cdot 10^{12}$

PH=11 = (H+)=1.10=11

(ca2+) er 1.10-6 m ved elv.

 $T = ((X^{(1)}) + (HX^{3-}) - Ca^{2+}) +$

Vi ma beregne (X47 05 (HX3-):

(HX3 Jenvi for K1 our

$$\frac{(\chi^{4})}{(+\chi^{3})} = 5.5.10^{-11}$$

(Hx3-) = 5. T. 10 4

(HX3-) = 0, 18(X4-)

(XII) James i for Kon:

$$\frac{(ax^{2-})}{(a^{2+})(x^{4-})} = 5.15^{0}$$

$$\frac{O(0)}{1.15^{6} \cdot (\chi^{4-})} = 5.7.10^{10}$$

$$gic(\chi^{4-}) = 2.10^{-7}$$

T= ((2.15+ (0,18.2.154)) 4 - 1.010-6)v

=7,64.157

Relatifiel 700:

72 - 7,64-157.150% 0,02 . 2 = 0,00766

2006 H

$$(Z_{1}^{2+}) = 0.02$$
 $(Z_{1}^{2+}) = 0.02$
 $(Z_{1}^{2+}) = 0.05$
 (Z_{1}^{2+})

(TAU. ON L2+1

Teoretish feil huis
$$(2\pi)^2 = 1.10^8 \text{M} \text{ wed ehv. phf}$$
:

 $T = ((X^4) + (4X^3) - (2\pi)^2) \text{V}$

To mai beregre (X^4) of $(4X^3)$

Ved pH = 10 hav in finish at $(4X^3) = 2.82(44)$

Vi har capa at $(2\pi X^2) = 0.0143 \text{ M}$.

$$\frac{0.0143}{1.158 \cdot (x4-)} = 3.2 \cdot 10^{16}$$

$$(x4-) = 4.47 \cdot 10^{-11}$$

HAT Selforin i ky for aifme (Hx3-)

Selfu innit offir: