mol (2n2 Fe (CN)) = mass = 0,438 \$ 16342,70 mol(2mfecy) = 0,001278 @ (2 mg) Ve ce sia (Zn2 fe (CN)6) 11 (Zn)1100 mol(Zn) = 2 x 0,001278 = 0,0028562 mass (2n) = mol x 1 mass = 0,0025812 x 8 5,37 mass (21) 0,167 9 2) molality = mol solute 1,5 x 103 = mole solute mole solute = 1,5 x 153 mass solute = 1,5x153 x 58,5 =0108775 mass solvent = 1 Kg = 1000g ppm = mass solute x10 0,08775 x10 total mass 1000+0,08775 Ppm = 88 ppm

A) KSP= [Ag+] [ci] (B) KSP= SA53 EI] 1,8x10 = 52 8,3×10= 52 S=1,34 x 165 5=9,11 x109 OKSP={A331 Br-3 OKSP = [AST] [Croy] 5x10+3 = \$ 52 1,2x10= 4 53 S=7,07 X10 well a las of (S) and sel La(103)3 -> La + 3 (102) 3 [La+3] = (Los) (La+3) = 1215" - 0,33 x10 · Suplication with the

$$F = \frac{1}{13} = \frac{1}{$$

مكرر نفس وال (10) 14 0 mol (TH+4) = M. Va) = 50 x 0,0325 mol(Th+9) = 0,00/825 @ Imol Thy > 4 mdf 2001825 > X molf mol f = 0,0065 = mol (Hf) 6 mol HS 201/excess = 0,0065 x 1,2 mol (H5) 20% excess = 0,0078 \ 20% excess @ mass (Hf) = mol * M Emass mass (HF) = 0,0078 x 20 mass (HS) = 17458 0,156 (5) 2.50% = > (2.5) < 5 lies

mass of 2,5% (Hf) solution = 0,158

2,5

mass of 2,5% (Hf) solution = 6,24 g

M. W. MXV (Na2S) = MXV (AgNO3) (0,26) V = (40) (0,318) V = 48,4mL (Na25) isosolo dos asled ams of (A) AgNO3) (2 Joo) to belo 24,2 = 48,84 : 125 g lw (V .)] 1 0 51 الجواجا ٢ $Q = \frac{[503]^2}{[502]^2[02]} = \frac{(10)^2}{(91)^2(0.1)} = 1x10$ Q=1x13 KC=4,3x18 Ogé (a ¿Kc) a'y) Q (Kc a be live (C) No, left. to Vight