| 7                 | -C  |    |
|-------------------|-----|----|
| $\mathbf{J}_{-1}$ |     |    |
|                   |     |    |
|                   | -   |    |
|                   | ו ה | TE |

| 1) | Nullstellen | bestimmen: |
|----|-------------|------------|
| `) | 10011310    |            |

1. Solver:

O'Solver/

egn: 0= - Funkton eingeben

BSP: x^3 - 5x2+5x-1

Solve

X= ... -> tippen, 2 3. x=0 -> (ALPHA)

bound = { -1 Egg, 1 Egg? -> alles

-) NS ablesen

Finkton anschauen, andere NS tippen

Lind (Mode), wedoweg

# [4] (7) hock. -> solve ( Enter)

 $x^{3} - 5x^{2} + 5x - 1$ , x, 0)

nach Tipp X Buflosen

= 0,2679

2 nd [cht] 18 tott 0 = 1,

3.  $Y = x^3 - 5x^2 + 5x - 1$ 

Graph

Tracel

2 : zero left Bound? - shinker von NS

Right Bound? - rechts von NS

(Ehter) - ablesen.

| 2) Lineaux | Regnessian  |
|------------|---|
| Aufgabe    | Fin N 0 1 2 3 4<br>sincm 0 5,1 10,2 15,1 20,4                       |
|            | 1. hylle: Stat (1. Edit) in L1 Weste Quingeben: 0. Enter, 1, Enter, |
|            | LZ: 0;5,1; 10,2; 45,7; 20,4   |
|            | 2. Agle: In Texthildschirm:   |
|            | [2nd] [] 0,1,2,3,4} Sto> (2nd) Enter                                |
|            | [2nd][]   |
|            | -) der Liste Ly werden die Werte 0,11,2,3,4 rugeordinet             |
|            |   |
|            | Plotten:  [Znd] [y=] Plot 1 On                                      |
|            | Stat Plat X1157 : La  |
|            | 9 1580: Lz  |
|            | Window ander  |
|            | externation is Gerande - 1 4 = ax+6  [ Var vecto (Function) (4n)    |
|            | (Stat) [CALC (necleults)] (+: Linkey (ax+5)) (Enter)                |
|            | $y = a \times tb$   |
|            | a = 5.08  |
|            | 5 = 0   |
|            | (Graph)   |

- Funktion eingeben - TBLSET Indput IDepend Anto I Ask ... - Bratt in Ordner - Loomen. 200 - 1:230x Richwards. Zoon 26. Zstandard - Window is Fennyer verstellen Format + Achsen wegnachen, etc. Suche mach y-west: Calc: 1: vollne - Schnittpunket intersect Tiefmulet: 1. (ale -) minimum (3:) 2. Ablitumy -> NS, von - nack+ 12. Askitumy #0: >0 - - - P 1. Calc + 4: maximum 2. Pskerty - NS, von + wack - 12. Asinthry 20 . 10/2/they macher.

(nath) 8 mDeriv() 4, x, x)

was hack for able asgeleter x wenter

wird abusely - dyldx Aslaity. 6: dylax Enter 35p Dilettry bix=2. [2] [Enter/ - Brache 2.B. 0,25 0.25 Eute Math 1 Drag Euter Enter 24 - Beträge. abs (...) - LGS losen, [2nd) (x-1) (Edit) 2.3 8 3x4 3 Kreuz 4° : 3 Reilen, 4 Stellen pro Zeile lose, alles einzelle, [2nd](x-1) Birref()(Enter) natrix - Tarjente zeichnen: 2.B.  $J(x)=x^2$ 

> (PRGM) (5: Tayent) x= ... 2 B-2, Glerchung ablesa, 2.B. Seix2 x = 2 y=4x-4



