الم ما المعقوم المام عاري فريسول بن دوالي فوق) ساسي الله ما دوالي فوق) ساسي ،

1 par Cal 1, 12 mm , J duriner 5, 2 12, 2) Colo 17 4/11 +

(2,2) = H +> (J-0 J_12,2) = (J, + J2-) + +>

-A2(2.,1) = 52 (1+0) + (0+) }=0 (2,1)= 1 (4,0) + (0, +)

(2,1)=1 (1+,0)+(0,+)) -0 J[12,1)=1(1+J2)(1+0)+(0+))

-6 16 112,0>=15/1-+72-) (+0> + (J_1 + J_2) 10+>3

-0 56 12,07 = [52 (1997 + 1+ -> + 10,97 + 1- +>)}

= 12,0>= I (H->+5/00>+1-+>)

```
(5,0) = 1 (1+-> +200> +1-+>) - 1 & ] (5,0) = (1-1) (++>+5100)+1+-
      -076 15-15= 12 5 15 1-0> +575 1-0> +545 10-> + 2510-> 3
     -0 12,-1>=== 52 (1-97+10,->)=0/2,-1>=1/2,-1>=1/2/0->>
                  12-27= (-->
                                                                                                                                                                                     والنبر ولفغالت رابع
                               1 MT - Mil in ing dollar y the seron will = 1(2,1) into (1,1) = +
                                                                                                                                           vinzemin Coloro Cima vivimella
                    (1)17=1(40)-10+>).
                                                                                                                                                                          (5) 1 mo 2 Old 600
   J(1)17 = J1+J2- (1+0)-10+>)
  -a 52 1107 = 1 (521+-7+52100) - 52(007-521-47)
    =a (10) = 1(1+->-1-+>)
          J_110> = (J_++3_) (1+->=1-4>).
                                                                                                                                                                                                عدرا برتران نو دست:
-a 52 111,-1> = 1 {52 (0->+ 52 (-0>),
   = 12 ((0-)+(-0)) . ilioniou jouristicol jo
              (2,97=9(4-)+6(00)+C(-+) . ~( Ulear), ~= (9,9) C/n disposition
     =A (000) = 1 (1+->-100>+1-+>) ; = in il in chain on a px; 1
```

 $S^{2} = S_{1}^{2} + S_{2}^{2} + 2\overline{S}_{1}.\overline{S}_{2} \qquad = 2i \cup [5] + S_{2}^{2}(5, +5_{2})^{2} \cup [5] + S_{3}^{2} \qquad = 3.33$

5, .5, = 5, m 5, m + 5, y 5, y + 5, 8 5, 28

i evvironimentoss Ula

 $\frac{5}{5}, \frac{5}{5} = \frac{(5_{1} + 5_{1})}{2} \left(\frac{5_{2} + 5_{2}}{2} \right) + \left(\frac{5_{1} + 5_{1}}{2} \right) \left(\frac{5_{2} + 5_{2}}{2} \right) = 2i \sqrt{5_{2}} + 5_{1} + 2 \sqrt{5_{2}} = 5_{1} + 2 \sqrt{5_{2$

52=5,2+5,2+25,8528+5,452+5,-52+

(一つりしかのかのかしの)からし

: 6/m, m2/ 1,52 red in . Eiln (m, m2) 1,52 (6+6 Gran is en bird6

5? | 1+> = +2 [- (1+1)+ = (1+1)+2(1+1)+2(1) +0+0 } [++>

 $5^{2}(+-) = \frac{1}{2} \left[\frac{1}{2} (+\frac{1}{2}) + \frac{1}{2} (-\frac{1}{2}) + \frac{1}{2} (-\frac{1}{2}) + \frac{1}{2} (+\frac{1}{2}) + \frac{1}{2} (-\frac{1}{2}) + \frac{1}{2} (+\frac{1}{2}) + \frac{1}{$

 $5^{2}(-+) = \pi^{2}(-+) + \pi^{2} \left[\sqrt{(\frac{1}{2} - \frac{1}{2})(\frac{1}{2} - \frac{1}{2} + 1)} \right] \sqrt{(\frac{1}{2} + \frac{1}{2})(\frac{1}{2} - \frac{1}{2} + 1)}$ $= \pi^{2}(-+) + \pi^{2}(+-)$

 $\begin{array}{ll} \leq 2 - - > & = & h^2 \left\{ \frac{1}{2} + (1) + \frac{1}{2} \left(\frac{1}{2} + (1) + 2 \left(-\frac{1}{2} \right) \left(-\frac{1}{2} \right) \right\} |_{1} - - > \\ & = & 2 + \frac{1}{2} |_{1} - - > \end{array}$

5_± 1 5, m/ = \$\frac{1}{5} = \frac{1}{5} =

· Lunich · Smimbolongus Cosu エン Usobich $S^{2} = h \begin{pmatrix} 2 & 0 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 2 & (--1) \end{pmatrix}$ ٥٠٠ قلم كرن ك ع ، كر مراء فوق ، كر ، ويم ، تعاريم ما يا تم ما ما ح ك فوهم ورن det(52- 1)=9 - + 1= +2,0 (W to 1725 (6+1) ,52 was of wills (1/20/2) +niplet index مرتوال بدارها مفعق را بمعدرت سورا سيسزرها نث ن داد؛ 15=1, M=17=1++> (15=1, m=0) = 1 (1+->+(-+>) (S=1, m=-1) = (-)

(S=0, m=0) = 1. ((+->-1-+>)

كه فداس 6.5 ولفع اس.