15C 24: SU(3)	is nov
ALCERA: 3×3	TRACELESS HERMUTIAN
	( se mathern. Der en eix 15
SXS GENERAGRATION OF S	U(i) PAULI MATRICE
S EA835: (5; )=	
WE 51,2 (1),	
UKE 51,2 (0),	
-2	
DIABONAL GENERATIONS HOW MANY? (53)	

BUT WET WE R(SUED), WE CAN COMBINE
THESE INTO DIARCHAR ? RABILIO (COMBINE

$$e_{+}^{2} = \frac{1}{\sqrt{2}} \left( \begin{array}{c} 0 \\ 0 \\ \end{array} \right) \qquad e_{-}^{2} = \left( \begin{array}{c} 2 \\ 1 \\ \end{array} \right)^{+}$$

$$e^{3} = \frac{1}{\sqrt{2}} \begin{pmatrix} 0 & 1 \\ 0 & 1 \end{pmatrix}$$
  $e^{3} = \begin{pmatrix} e^{3} \\ 0 \end{pmatrix}^{T}$ 

NOW WRITE H; , Ex for PEP

COMMUTATION RELATIONS

[H, H2] = 0 = 2 00 MMDUNG GEN 3.

[ welly been our parically some store.

Layer naid similar

MUDST 3 COPIES OF E/SU(2)), BUT DON'T HAVE 3 PIM- GENS.

LEL, EZ] =- 2 EZ

[1年],日3]=一方日 巨一,巨引一 症巨

MOVING -[时日] 一座日

[EZ, E学] = 一意具

all other commutators varish.

→ [= H2 - ZH1, F至] = 士王士 食 [2H2 + 2H, F=]= + E=3

[E3, E3] = - +-

(E3, E2) - ~~~

the "3 opies of

1(su(2))" doot

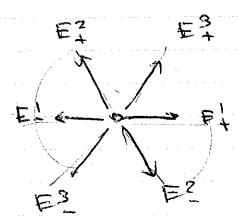
comule!

HERE'S A				ga sagangga ga ga manangga da manangga (1955) yang 1950 matangga manangga ga sagan sagan sagan sagan sagan sag Sagan ga sagan
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	14 (1/2)		reger som til fill fill state state eller el Letter eller e	ik per filozoffi (1904 propriessamen 1905) beter filozofi (1904) beteressen et e e e e e e e e e e e e e e e e La companya de e e e e e e e e e e e e e e e e e e
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80' [ 13 H2	- 2月, 丰学	了二十年	2 - par es especial de la companya d	د موجود به دو از در این در در در دو در در در در در در در در در دو در در در دو در
EZ	raises H.	E NE	,	e ser arrest (17,5%) prins among revening global quantum
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	and playing the same of the symmetric billions are the floridating for an annual class of the specific billions and the specific billions are set to be a specific billion of the specific billions are set to be a specific billions and the specific billions are set to be a specific billion billions are set to be a specific billion billions are set to be a specific billions are set to be a specific billions.	and the second of the second o		o por internativa de 190 instituto de la comencia d
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			a government and the state of t	angly point (it for the annual new property of the forest term of the statement of the stat
- 3	and which are the second state of the second se		53/2	1111-2 mily francisco e telescolo - e e e e e e e e e e e e e e e e e e
E 3	RAPSES H	2 By	12	galantan sarangan saranga deli bari jiman maja baharinda kalan jaman na sisteman s
	RAISES 1		angen se til ste mange kept stil ste med til kreve til kreve på med med til kreve med til kreve se men se men Se til ste med se til ste med til ste m	ر به از مناطقه به دار مناطقه این از دار این با در این با در مناطقه به در مناطقه به در این این این به این این م در این
E 3	coutes		a star of the same summand shows the start the same to start the same that the same same at the same t	t (Amin National Communications of the American Communication and American Communications and American Communi
	coutos	And the second section of the second	and printed and the fill [1] the light have makeness shall take a support and the mass of substitutions	gethouse, part or principly of a graphic extremit rock specific, is
	om prie sjouwens and de propositional action), at the principle framework date, the proposition of the state	ه ۱۳ ما ۱۳ ما ۱۳ ما در از این از ا	الله عنده الله الله الله الله الله الله الله ال	and the second seco
and the latter of the latter o	and any men change and a supple (1) to prince year.	nakan perumagan mengaman kenanggan menakan di penakan perumakan di penakan perumakan perumakan di sebagai seba Sebagai penakan penaka		a and a large control of the second of the s

THIS GIVES A SET OF RAISING/ CONFRING DURECTIONS

80 FAR: DUST LIKE Y (SV(25)

## BUT W'N OTHER DIFFETIONS



NOW PROCEED AS BEFORE

3 some HIGHEST WHIGHT STATE

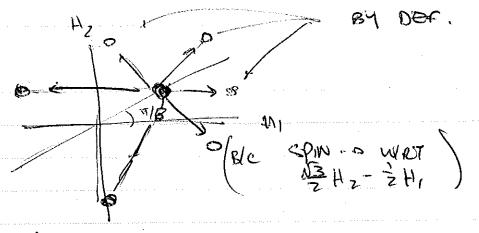
1 P, 8> 5-1. E+1P.8> 20
H, H2 BYGUM.

	CAST 1
	BIGHEST WEIGHT STATE IS ON POS 1/2 AXIS
	0 = (8,01,H 8M ->
المراوعة الم	
	2011-0 MLT H
	no appears to left or want.
	SO RET W CONTERNS.
	E <sup>2</sup> E <sup>2</sup>
e de la companya de l	In fact: 4 luis is a per!
	ME CAU IL 3 (POC; chmarg)
	CON ALSO HAVE HEGHE LARGER PEOPS
and the control of th	
argument across suppositionally developed the control of the contr	
	DEPENDS ON HIGHEST WEIGHT
<b>A SERVICIO </b>	

OASE 2 LOWEST STATE IS ON - H2 AXIS

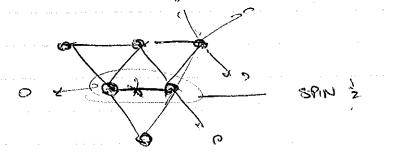
1e. HIGHEST WEIGHT IS ON

TILE UNE.



C gives 3

smil orly on make bigger ress



T/6 (0 ( T/7

SAM THES. about almedy

ioddes

MUZIPUCTLY.

two unque ways to Using only buting ops 2 > 2 distinct states.

INTERPRETATION_	
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T 180 26W	
2004s: d u	
Canara isaa	
( 'g's come in SU(Z) cour ress,  BUT YOU CAN'T TEN THEM APART  BLC THAT'S A GOOD SYMMETRY)	
	-
enalog: Hyphocon	
Symmeter 2 x2 = 3 + 1	
(i=1 (i=0)	
DISANCE SCRES	

. . . . . . . . . . . . .

. .

FINDUDEEN, OUR 10
I Special Spec
you only resolve these when the syn. is broken.
SU(3) flovor is broken because My + My + Ms. so those states aren't symmetriz.
BUT: SU(3) COUR TO CONFINING SO YOU NEVER TOBSIEDIE QUARKS, JUST BOWN STATES.

IN SPOER TO BE COLOR NEUTRAL,

ENTRICS PAIR UP (con also from toplets)

Eq. u,d,s= (1),(1),(1),(1)

Eq. u,d,s= (2),(1),(1)

Eq. u,d,s= (2),(1)

Eq. u,

# WEIGHT DIAGRAM:

die di us so sud

su su

383 = 8 + 1

actually see A Moson ecter