LedoulChiral verlex operators: properties. 南湾。 \[
 \left(\frac{1}{4}) \right(\frac{1}{2}) \right) \right(\frac{1}{4}) \right(\frac{1}{4}) \right) \right(\frac{1}{4}) \right(\frac{1}{4}) \right) \right(\frac{1}{4}) \right(\frac{1}{4}) \right) \right) \right(\frac{1}{4}) \right) \right) \right Something similar to VOA: Fig. (3): St. ost. - It; 5 (hitherti) (2,54) combornal block Tile (+1,+3)- とこしもられてかりと) Correlation franction Φίρ (n) Φρέ(n) = Σβρειί ε] Φία(n) Ια(n) choose the cut: 2, -2 CRT

operation: of \$\\doldo(\(\alpha\)\) 更ではかりまで(も)= ミチャンじとと 2000年 (ま)(SI車(Ca))(A) i de Expelied i et [ 0].[ 0] = U; [ 0] I nonnegative integers [Ni, Ni]=0 - from associativity lillis a map: Vier Vei Orizone Paichithertei) Die

B-bologen identity | | 1 | 1 | 19

F-pentagon indentity

Modular tensor category (return back later)

Degenerate conformal families and Null-vectors 1 L-11. L-11/11) 3 span. (1 h - 1 h) 112 = < L | h, h - 1 h) = 2 h > 0 11/4-M/1/2/1/2>0 => c>0 Null vectors? L, 1x>=0 44>0 101X>=(1+N)1X> het's find one on level N=2 (ah-2+bh2) lh) L1, L2 - annihilate -> produces all constrainte  $|\chi\rangle = (\lambda_{-2} - \frac{3}{2(h+1)} \lambda_{-1}^{2}) |h\rangle$  $h = \frac{1}{16} \left( 5 - 6 \pm \sqrt{(6-2)(6-26)} \right)$ Ex. Ward identity: (T(W) \$\phi\_n(i) \phi\_n(i) \phi\_n(i) = ( 2 x ( 8 ) b, (2) -- . b, (2) =

= ( 3 (2 h+2) 3 = 2 h; (2-4) = 2 + 2 (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (2-4) < (

Fusion rules:  $\phi_{(1,2)}\phi_{(4)} = [\phi_{4}-\lambda]+[\phi_{4}+\lambda]$  $\phi_{(1,1)}\phi_{(4)} = [\phi_{4}-\lambda]+[\phi_{4}+\lambda]$  bu,2) &,2) = [ 0,1] + [ 0,3] Ф(2,1) Ф(2,1) = [Ф,2] + [Ф3,2] Ф (1, 1) Ф1, m) = СФ1, m-1) + Г Ф(1, m4)] A(1,2) A(m,1) = [A(m-1,1)] + [A(m+1,1)] Only den, my h, my o appear Truncation: φως φως = C, εφως ] + (2 εφως 2) du, is dee, is = (218 do, 20] + (28 do, 21) ψ (n2, m2) d(2,1) = [ d(2,2)] m2+m2-1 ψ (n2, m2) d(2,1) = [ d(2,2)] m2+m2-1 (n2, m2) d(2,2) = [ d(2,2)] m2+m2-1 (n2, m2) d(2,2) = [ d(2,2)] m2+m2-1 (n3, m2) d(2,2) = [ d(2,2)] m2+m2-1 (n4, m