A new relation?

July-22-15 11:22 PM

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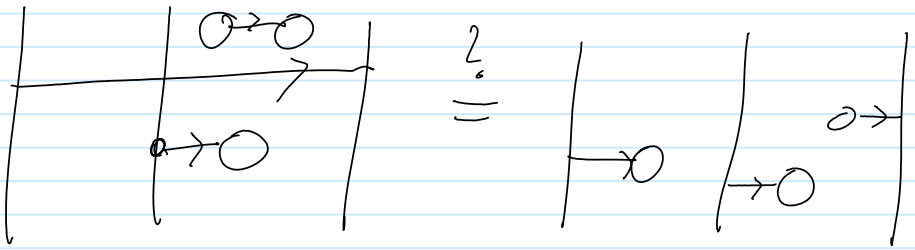
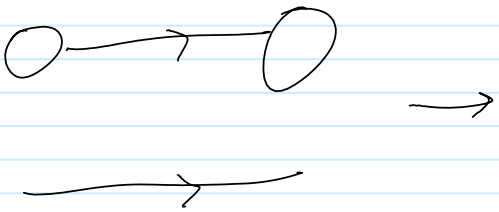
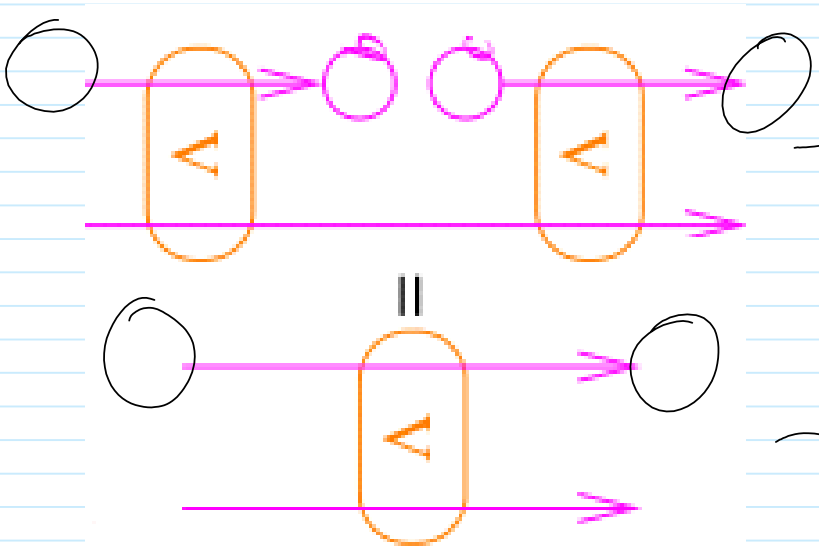
Out[93]= {a[1, 1, 2], a[1, 1, 3], a[1, 2, 3]} →
          c[-b1 b2 ε3, 3] + δa[b2 ε2, 1, 3] + δa[b1 (-ε2 + ε3), 2, 3]
```





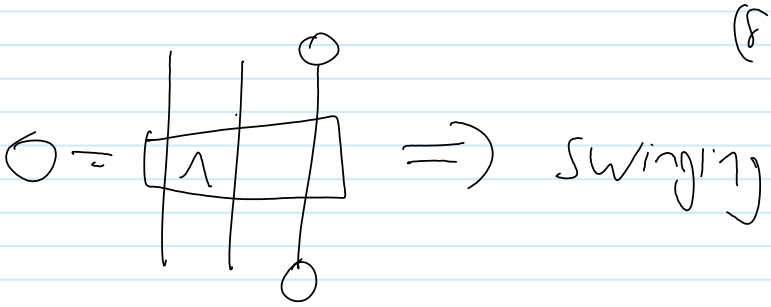


$\to \delta^2 a_{ij} - \delta b_i c_j$
$- \delta b_i c_j + \delta b_i c_j$
$= \delta(\delta a_{ij} - b_i c_j)$

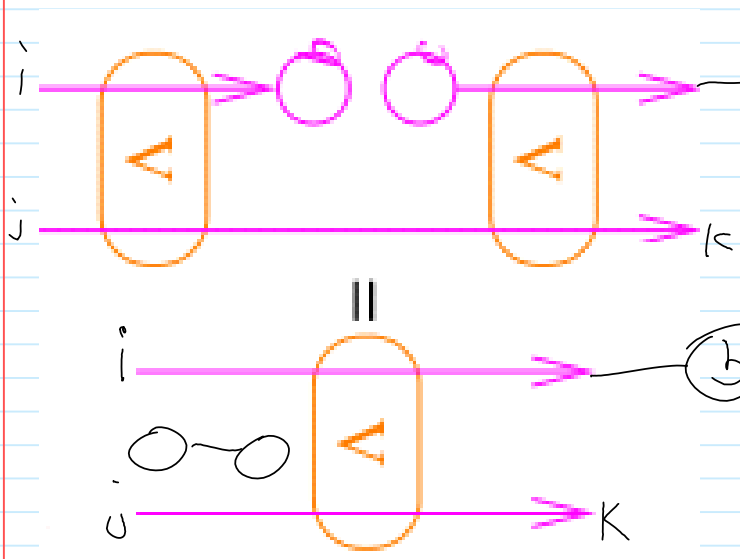
$\to \delta a_{ij} - b_i c_j$

So

$(\delta - 1)(\delta a_{ij} - b_i c_j) = 0$



What if b & c are central? (Possibly this will reduce to the Manturov Theory)



$$c_k(b_ib_j - b_jb_i) \to -\delta b_i a_{jk} + \delta b_j a_{ik}$$

$$\to \delta b_i a_{jk} - \delta b_j a_{ik}$$

gives nothing!