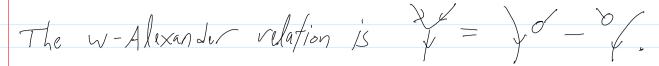
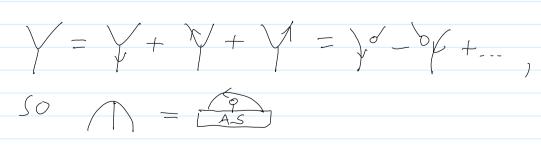
## Do All u-Alexander Relations Follow from w-Alexander Relations?

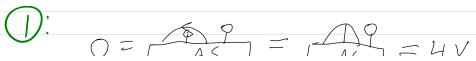
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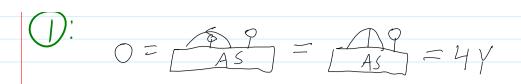


Does it imply all the relations in Jana's Thesis?

Relations on the Level of Chord Diagrams	http://www.math.toronto.edu/~jfa/
Smoothing Only if both arcs are labeled with $x$ [FOKV97].	Thesis page St.
This is a consequence of Conway's second identity for knots and links [Mur99].	
No Deep Vertices Our proof p. 73  Vertices  Our proof p. 73	
Blob Cutting  This is a direct consequence of the second relation.	
Half Blobs := On any chord diagram there must be an even number of 'half blobs'.	
The $H$ Relation For this and the following relation, the simpler single variable version it our proof p. 65 attained by removing all of the 'blobs' [FOKV97].  4Y Our proof p. 74  H. Murakami's Second Relation Our proof p. 75 $4x_j$ $+2(x_i-x_k)$ $+(x_k-x_i)(x_ix_k+x_j^2)$ $+(x_k-x_i)(x_ix_k+x_j^2)$	Might by wrong as stated here see paste sofan.  Sitisfied by linking sofan.  numbers.
H. Murakami's Third Relation Our proof p. 75 H. Murakami's Fourth Relation H. Murakami's Fifth Relation  Non empty I	







Mosted from Jam's Presis, 198 65: