Practice Problems
1.) Show that the closure $L_{5,3}$ of the alternating 5 -braid

(this is the knot 12a1019)
is slice.
(Give up? Try Ctrl+b or Cond+b in KLO)
2.) Show that $\Sigma_{2}\left(S^{3}, L_{5,3}\right)$ is the boundary of a definite 4 -manifold whose intersection form is represented by the incidence matrix $Q$ of the graph Write down the matrix.

3.) Is there a lattice embedding $\varphi:\left(\mathbb{Z}^{6}, Q\right) \rightarrow\left(\mathbb{Z}^{6},-I\right)$ ? If so, what is it? Is it cubiquitous?

