1054-55-272   **Kevin Walker*** (`kw_ams@canyon23.net`), Microsoft Station Q, CNSI Building, UCSB, Santa Barbara, CA 93106. *Blob Homology 2.*

As the title suggests, this is a continuation of Scott Morrison's talk "Blob Homology 1".

Proving that the blob complex has various nice formal properties requires precise definitions of both TQFTs and weak n-categories with strong duality. The definitions we use are novel and very closely related. So closely related, in fact, that proving a Baez-Dolan type result relating TQFTs to n-categories becomes essentially tautological. It is somewhat harder to show that our definitions are (more or less) equivalent to more traditional definitions of TQFTs and n-categories. (Received September 15, 2009)