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Ivo Herzog* (iherzog@lima.ohio-state.edu), Department of Mathematics, The Ohio State University at Lima, 4240 Campus Dr., Lima, OH 45804-357. *Homology of a Ring*.

We will describe how a complex may be associated to a pointed abelian category in such a way that, for the case of the free abelian category $\text{Ab}(R)$ over a ring R , the homology in lower dimensions is closely related to the K -theory of $\text{Ab}(R)$. (Received September 15, 2008)