Exercises on correspondences

- (1) Prove Dy=id
- (2) Prove \(\frac{1}{4} = \frac{1}{4} \)
- (3) Prove that L:H"(X) -> H"(X)
 is an algebraic correspondence
- (4) What does the Hodge index thun say far H?? (X, Q). when X is a sorface?
- (5) Compute the ring structure of H*(IP"×IP", OD), where the multiplication is given by composition of correspondences and not by the usual cup product.