b) Create a new diagram explaining the limits for the reversed order of integration.

c) Using that diagram, write down the new iteration of this integral in that reversed order and evaluate it step by step by hand.

d) Check with Maple that the two iterations have the same numerical value. [Maple gets the first exact integration wrong, but correct numerical value of 0.4063171388 (I had to convert it to inert form to do this!), the second order only requires a *u*-substitution to finish the integration].



