Computing distal odds ratios from thresholds in different latent classes

Compare the example on slide 151 of the Topic 6 handout.

You give labels to the threshold of the distal in each class in the Model command, so for 3 classes assuming a binary distal:

%c#1%
[distal$1] (d1);
%c#2%
[distal$1] (d2);
%c#3%
[distal$1] (d3);

and then in Model Constraint you say:

New(prob1 prob2 prob3 odds1 odds2 odds3 or13 or23);
prob1 = 1/(1+exp(d1));
prob2 = 1/(1+exp(d2));
prob3 = 1/(1+exp(d3));
odds1 = prob1/(1-prob1);
odds2 = prob2/(1-prob2);
odds3 = prob3/(1-prob3);
or13 = odds1/odds3;
or23 = odds2/odds3;