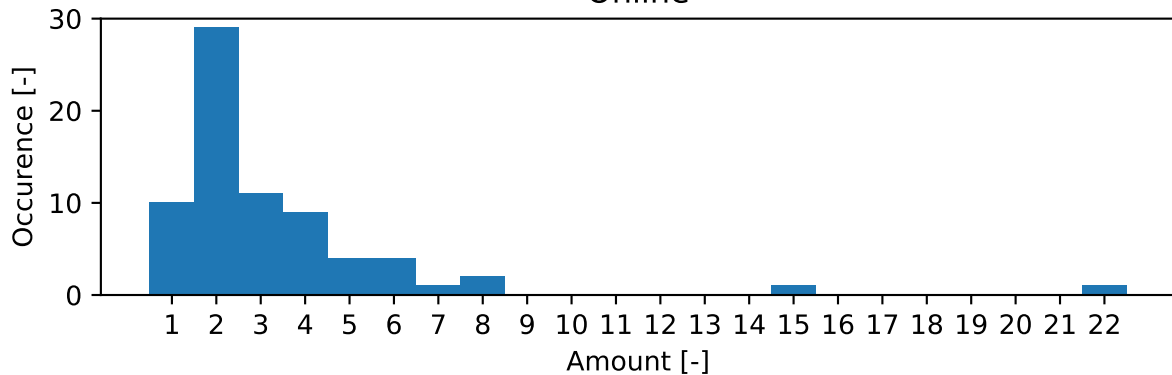Number of refinements needed to adapt the model