AI 2nd assignment

* Design a HMM with 4 hidden variables (one for each strategy). The other option is 4 HMMs with 1 hidden variable each.
* Observations will be our moves (fortunate, unfortunate,…) . We may add also opponent’s moves.
* Python 3.7, hmmlearn package
* Transition table will have 0s and 1s since the strategy does not change during the negotiation.
* Priors will be 0.25
* Sensor model: maybe the average of the history of each move. Should think more about it!!!
* Cross validation
* Preprocess dataset to get each move’s type (fortunate, unfortunate,… )
* 2 facebook calls at least, 27 Dec and 3 Jan
* Until the first meeting we should have a better understanding of hmmlearn and familiarizing with its functionalities
* Rafail will do the preprocessing.
* Vasilis will figure out how we can use supervised learning in hmm(hmmlearn)
* Any objections will be discussed in messenger group
* Any code details will be discussed after the 1st meeting