This document is for keeping track of the references from which I am pulling various algorithms. I don't know if the practice is to always note the reference in the source code too, or have it in a separate reference document. Need to ask the GNU Radio community what their standard is.

* matrixMuliplierEncoder: using notation from [1]
* calcSyndrome : this is defined in every book but I was looking at [2]
* haveMatch : Just checks that the syndrome is a vector of zeros – see calcSyndrome
* singleParityErrorFix : Section 10.3.6 of [3]
* bitFlipDecoder : This is also mentioned a few places but I followed the algorithm in section 3.13.2.1 of [4]
* regularLDPCcodeConstructor : Section 9.3 of [5], which claim to follow Gallager's contruction, but I read Gallager's paper and I don't know how they got from there to here.
  + Anyhow it works: it creates an H matrix but does not get it into systematic form.
  + However, I did not follow the pattern of descending the ones from left to right, because you're left with a singular matrix on the right when you do the deconstruction mentioned in another reference. I stepped up the ones from left to right.
  + More details to follow once I figure out script the operations for getting H into a systematic form.
* greedyUpperTriangulationMethod : Appendix A of [6]
  + This function in work

[1] Principles of Communication, 5th Edition, by Ziemer and Tranter

[2] Error Correcting Coding and Security for Data Networks by Kabatiansky, Krouk, and Semenov

[3] Principles of Communication, 5th Edition, by Ziemer and Tranter

[4] Modulation and Coding Techniques in Wireless Communication, editors Krouk/Semenov

[5] Turbo Coding for Satellite and Wireless Communications by Soleymani, Gao, Vilaipornsawai

[6] Modern Coding Theory by Richardson & Urbanke