

This took quite a bit of time for me, and much digging. I glossed over a few stray streams and finally found a second stream that had `recipe.docx` in it, stream 5. I concluded `4F 46 54 32` is the magic number, the OFT filetype header. After doing some digging and reading through a presentation of packet flow and OFT2 header dissection, I concluded the PK lettering, and `504b`, are indeed the magic

numbers, for a docx file header.

5. What was the MD5sum of the file?

I got a few different answers here, mainly because I had some trouble getting the docx file right. After my reading, I tried a few different scalping for the document in vi, and could not get it to open (MacOS and windows). After an hour or two of trying, I bowed and went to walkthroughs of this challenge, who used different techniques/apps to scalp the same parts, and were able to open the document. I tried different combinations but ultimately could not get the correct hash or the file to open, after trying to scrape the OFT header down to 504b as the starting bytes, and taking off 2 bytes on the end and trying md5 hashes again and again. I need some help when it comes to exporting and hashing from Wireshark it appears, but this could possibly be an issue when working on Mac OS, which I have been for this challenge.

6. What is the secret recipe?

As I could not get the docx to open even when following walkthroughs, I was unable to answer this, but will come back to it hopefully.

```
PK.....![]..=[Content_Types].xml ...([.....[.....word/_rels/document.xml.rels ...([.....
...8...4...NBj...6b.f...H...d.l.wgs.z...+...$g...%...-v.e...igSD.y.50'f...7..F...{!...m.w...S...JHP...0...3.Fs...uum g...@...NjU)...3C.
...Xs...g...1]...'B.R.;q.u0...Hw.x=;4...pv.(3o.'M...b...w.i.O...0..E)]'x...7...PK...N...rels/rels ...(.
"...H.W"...w...P.^...O...;<...aY...G.kxm...PY[...g
G...ino/<...<1...AS$*f3...T...I S...W...Y
ig@.X6...7-
f...ao..b*li.f.r.j)...10.%..b.
6.i...D...[u...Z^t.y.;!Y,}{C./h>...PK...L...word/_rels/document.xml.rels ...(.
!...'Bb...c'.G...0...L...7.C.+...b...U...k1...$.M.)...D'.8...n...%H.].'V...#B...G...{...xk.U..W.S.inip.-I2..W...fLS.{Kf.u...k(_...^!W...D...<K...y5.^...
.W...+...7...g...J...j...h{K...D-...
dX...iJ...{...xS{...;...I..I..T...S...1...?E...?2B...m...U/...?~...XY...y5...g&.../...>...G..M.Ge...D...3Vq%#q...$8..K...}f.w.9?...
x)r...x...w...r:\T2a0.*y8I.j.bR...c]X...I
u3.KG.nD.1..N..IB...s...
..R...u...K>V..E.L+M2.#'.f.i.-V...v1.{u8..z...H.
.*...t{.W...
-...J...T.eNOe+M(G..HY...)KN..P.*...T...9/#...A7.qZ...$*g?...qU...n..W..N...%..O...i..4..=3...P..
-...1.P:m.\9...M...2a.D.];Yt.\{x...}Wz...].g=-
ew.
.)6-r..C.S..j..
i.d...D..A...IqbJ#x...6k...#.A.Sh...&...t(Q.%..p%...&).caS..l=X......\P.1.Mh..9..M...V.dDA..aV.B...[.fJ...P.|8...A..V^..f
...H..n...>...d>.z...n...>...b...&...2...V...Ky...D:...AGm..nz..i...u...Y..C..6.OMf..3o.r...$.5...N.H.T[XF64.T...M0.E)^#5.XY.'...;..%1.
..B...word/settings.xml.U.n.@.}G...?..N..Xu^..J...SY.7...g...*x...S.s...?...X.d...I...T.&...='qd...{...7mf.92..IH.<n..l.E.v^Xs.Uk7...z.*~...9.M
A...{[.m...j]C...S..v0...f.d...CSH.h.Ig.v...ShX48..N...XvX^5...m6Z...R..I...2...Ckvd.d...O...b...0'qB...1.Gd...D...0...}DV..Kb...
...s..T.d=].A.S..0b...;.y.#...{N..G.X8z|.8W-...@)...4R..r.J...m...'Z)...Z.S...5...W...%i...K..X1..b/..-8...5=N..r...PK...
.w.E..0...X(\..|...6{...X...K...PK...T<...U...(.customXml/itemProps1.xml$.(.
...r.R.>+I[...jW.5...p.M...<SB...(.x.X...fyy.&.fi...y.U...;Q.!#0.Ru...C.m...Wr.Sso-..kv{(k...2.oy...0...6b...&#...v.8[(&..q/.g.f.D+.5...
```