My notes about last meeting:

My understanding: we know that code(f(a),b)=code(g(a),b). We have different definitions for decode(Code(b,b)) and decode(Code(c,b)). So, we need to show that these two definitions agree on code(f(a),b) and code(g(a),b).

We have been trying to understand code(f(a),b) again so that we can understand what decode does to it and make sure it agrees.

I think we may have started re-proving code(f(a,b)=c(g(a),b) again. (I think this has happened before)

We were trying to simplify the PO for code(f(a),b) so that we can better describe what's in it. Think that for this case, we can treat alpha=a. The whole f(alpha)=f(a) thing is an artifact of the Code(b',b) definition.

 $(b = f(a)) \longrightarrow (f(a) = b)$ $\geq (b = f(\alpha)) \times (g(\alpha) = g(\alpha)) \longrightarrow Code(f(\alpha), b)$ This p.o. is empty if b not in image of f. If it is in image of f, then what? There's cases, but I could'n't follow my notes b is in image of f,

this P.O. is equivalent to

(fa)=f(a))

(g(a)=g(x)) g(a)=g(x)We are not sure how to argue this formally (Kept getting hung up on "am I allowed to say this?) talk to Mike about this?

So, the next thing would be apply decode decode: of Z $(f(\alpha) = f(\alpha)) \times (b = f(\alpha)) \times (g(\alpha) = g(\alpha))$ musst j'ust be vella b.c. in tset p = refla, q: (b=f(w)), r: (g(x)=g(x))definition verticals come from glue? g(x) this concatenation give us path fla) = b next thing (t think) the the P.O. we get an equir fca = g(a) other decode (eade) gives a path g(a) = b to make a filling-in-squares type argument Need tha + fca) Miss. tca) b

Not getting a cincle

so me have a set? Me wondering after meeting. I thought we were

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Checking Some thing Where	our liff did I	defina Ferent - 104e	From track	here checkily of the	natura) Mat goal?	on son the P	nething ! O. is these	a the	set.