Joseph O'Neill HW4 - CH. 5 11/19/2020

5.1

C.	
5.2	EQCFG = {<4, H> 4 and H are (FGS and L(G) = L(H) }
	Let M be a TM that decides EQUEG and S
	decides Allera
	. Then s = "on input <67 were to is a CFG:
	1. Ren Mingot on (G, H)
	2. if Maccepts, Succepts, else if Mrejects Srejects.
	7. if Maccepts, Succepts, else if Mrejects Srejects. TM M decides if L(G) = L(H) but L(H) = E*
	which rears 5 decides All uses and since Allaga
	is undecidable, EQUEG most also be undecidable.
	, CPG

5.4

5.4	A En B is a regular language lues.
	not imply that A has to be a regular larguage
	it just implies that the set of A is in
	an injective relationship with box it is onto
	mening every element of B there exits at less,
	1 element of A noch that f(A)=B. This has
	nothing to do with having to be a regular
	Ingrage, A world just be a subset of the
	reguler language B.