14 5 -Chapter nuhologica 105 1 se prys hur D erha -------1 E E 5 - Release 10 FD 10 1 Con +Natural classes -1 class F Ne Sl type 20 Kin Pin . 1 Con 955 Pa 10 2) Col 10 3) VOC 107 res 16 10 1 ---OCCuPie reads Coda sy Habic +59/19 rone Dic Jone s 0 centre

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erepts) all Con w,j] 5 sh Y) 10 4 4 9 DIC -6 Phono P 28 2 yllabic Clerses G 60 10 10 sly 6 C > at -L NI Vares 501 100 25 SON plass hon Song 1255 Six C 9 more 2 h IVI bra Way ssaga Son

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() C 4 \$ chapter 8; phonological analysis G 5 phonological analysis - analysis Sounds of change S See Sounds That achall M 0904 Allopho 1Ce me 16 brach 67 Sound Loriguna 0 10 trastive Shapes Allphone A 10 de identify allaphones of phoneme How we TPS hon 10 sthi R 5 replaces antoer oho a Dhone glophoh 1 Pail min with -1 fair ween have a minnal Variatio Siee changi Samo phonon one to another Replacing meaning the love different nearings -> (multipule phoneme -

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-allophones sdifferyt allen Same ealore de + As Pirchy FEL allaphone * Q E Æ H istribya Wor om HE te differe HE different Posi accen HE 0 FE Khonemi abalysis C atery DI 612 sin Structure Da Viles eve Circles creates ymbo Exersice .tson 3 Tense 0 H Upen ortest VOUR a Scanned with

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5 analysi we select fue ch Dh hemic Wg Squan Skwe I w AV 100 under liging mbolizi form Phene home critta the CY ba mbu No dass of bwi Sound Voicea Don 10 haturally the Dh -> Ohino Juice we Sel underlyin 0 1a hones uh ich Ohen al we replace 151 with 80 Phonolgica features. ardicet place of >the Ve Soffere is

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Nasp assimilation have follows 22 alles ne 9 much easier to produce allo weal Pala 404 marc 6 Sal Fe NG re Dhehe 1 Dh 10 If a sound less 15 C EC class Malyal Voluie torn ter 33 Fall & Vo be iceless. er 9 Volle dine [0] Same Voicles Compssed 29 unil pri siglo 14) dress 0 igeratic by t as allophone to hand

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-C If can follow -4 incorrect patteren English -4 2 الاحوات الى بتيمى ولا معهما والاجرات اى ما بتزبع الحاط -40 cometness (sound hess Pattern Congility -40 > Following Patterens lu can't bregk the Patteren Hat are cover. 115 mifornel Example cluster Voicin obstracture 110 Alm has to be the one is to poter the underlying form 100 phonetically (hatura lin sound most common neansi Alex ne ess similar the Som ter must phviroment ->it be The Afthe allaphene flat is the Similar 100 -> 15 give to Christoment be used as, lin Phonem 16 a clusters when they are pronounced 16 There 15 sequence , A cluster 15 we have 9 broken 4 6 1 rue 6 any sequence of consonants and all of wif we ano obstrues an 10-Voiceles -> Cluster voicing wifermary obstruents Principle] out glatful frighive [h] > is h Vote: -Counterpald flat doesn't have a voiced -----2 que dis zing Ro -# voiced yn voiceless more of Sohora So the sound hat have a high comprisely can't be voiceless.

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Congrutiy _ Patteren S alla patterin F in English. 10 these patternes not only applies to allophen it also applier to phanemer I what to consider when choosing an orm in Phonehically Natural (frequently) ound e.T Same symbol Exilpl widest Distriby 10 phonetic Naturalness, phonelogica Analysis 940 phone d'a Similar Fy G Phonetic JUKOVENS W Analysis C similarity -> in sightful , tea C similarly gmonts alle mohe 8 (velated through Similar (syllable ini bally _____ asal t cou king to syllable finally -> onovant testire fir Examples . This year 21 detived from Ehvirong more environce SR chevectris) (5) alveolary Alvelant cor Scanned with

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1º pattern Co ngruity the systematic organiza phonemer and OF set their 0 01 Stops Voice 60 Pirafior 5 10 as in sulable occur he beging stered 0 40 [S] stop is be ex Dre Ced Cept I. oropica [P] AR In apt 100 iles apse adre, phased V2 -Springbed 10-Parks The 1clusters 6 voicing in Englist G 16 Based Pattern overall 6 congnit Qhonolgial System (Patter 04 phonemic Similarity o' Vaiceless Ohmeno a'ce in male texh stop a Dhendly fornal in sten 5 Pittern Sihle ish il an form 0 Jwould be hatyrally voices less is 013 appropriate choice, in tras coh Scanned with

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Eel, ILA * Linking levels? Vules How phono logico. ve Anose the concept Alternation phanalgy 01 the Without in meaning Charge charge Phonogical Alterration & Hus represen (phonolgi 01 alternation represents an enfire feature ma phoneme THE. lexicon Stored is represent KA rule 120 affected (Phoneme The Hem (5) U 100 2) The change t Dace (allophone aker RE occurs (Cartert. 31 environce which 14 change 10 Soud neighboring or TCsaying a vowe Frandla HE-Cer rowe -we symbo in 50 -Symbols > + syllepic we use 0 alterlation of ? what Darts) aria + 3 15 2) How does change ? 3) what of change haffen Causer fi before what comes after environden of phone asound italt Jal chandel 51460 +Vasal] [+ syllabic] ->[+ Nasal] Prescrative cearting thou

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-Ci 15 -4 -4 become hasal before a rasa & Rule: yowels) vouds - lie phonemically are Tey become Ora but ey ave the followed Sout hasa a 4 110 nas lin 10 Syll 15+ 10 iner a apper2 15 Nasa Eprocess 1 100 14.5 ell's 1 1tis rule read AC vowels hata ecomes Alin or when Filows 4'5 5 nasa 1+ hasa 16 ->) the phoneme 15 rule sit contain 3 aspects unalgical 2) the Allophonic Variater 1 e churoma 1 a chang cates 6 seprates environen - 6 100 Dhoneme blank IS comes offer or before blank ch (I so the previous example is forma Irnf 01 Phone 9 Scanned with

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G chapter 9: phonological Alternaden processes from one Phone to another Caused Alternation) fun enalgico lin formalizeng mo ler P lin beli lin Kwe You aplo U 1 541 Sprea 9 becomes Voice de re + Aspirateo 100 6 becomes 600 10-11 one fic A quse Dhoholgi'a environce ą Dhone alterher his Say DI Con ٥ مبتر المحول. -alle has nig to lat causer veason Alterno

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A phonefically and morphologically conditioned Alter Three a Few carpain Irregularties the CSJ becomes rat [s] VS Wartho] [2. Examples [2] hors [12] Fence base 5) changes why -> Afler wasals ra and [s] is a plur 5 5 bee plura T12 OXS bets ph thong Voiced \$ why Dlurg ac ee ually base act the word b form of angua 16 plural, singular. Affixasy morphome, or the Dhonomels belig wours it is a part fue plyral 5 filh differently E the JANS word 0. Porm be comes [5] 521 order for [s] 10 be a pluraks). to

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(i) 4 4 4 class called (si bil ant) -> [s],[z] Hure Valura 4 6 4 10 G rule: if the plural [s] is attacked word to a La ends with sibilant pural become 157 10 if Plural [5] attacled a 400 sibilart (hon - siblinant -) any other sound la and it is voiceless 5 > dural 5 becomec_ 100 frat ends u if it attaces to a word len it's voiced and becomes 2 5 Examples: ral 100 plural(5) and voiceles 150 100 5 breame 100 beb 10 Swhich makes plugeds bliland and vaiced -10 2 15 hore 10 IS SO 10 ess [2] because 1 dant SUR 5 14 J'ASYU [] into [2] or []2] ifits change X onty it's sibiland strice orit non-sibilant in plurge [5] flat's only happened marphaly -I this procentic entrone only works if this & pluva EJ - Swe have a morphoxigical environment

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plural [5] 557 J21 450 allorha lin phoentically could is not de NOOL only morpholgically 16 wich include realling differen ter -TU 5 morphologics roprosen Can TU aving . sbecause in phone gy he only Cond 10 neeson (caplitioning, but Phonepic 10 N. yeason (condition discuss morphological TC. \$ we have altera -Der 8h Dhane Alveola 94 70 its follohie C dente 1. hed he come Vis pling 15 mat Sign or Past tense apply 14 2 ea dependic Rhvirdma revious 10 orms monpholg' celly Phone cally dita Cal I say and - Clark, and I have the Scanned with

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Boundary Morphene frictive He represents pha ! plura agrees marke AVP 1'ha Pre cedura Voice Seg L men cully applied redice an be 10 Uico lvise and Front in Seg fening Sof - Welar Frample 5 leaves eeC - - \ plura tom Voice siblig with OUSE Ye place morphde a dipin orgiver with Dung Lorm rormally last Samo haup 4 plura W an aris Changed le Char lity Soult 05 on conditioning & called an JEY; wif ive ve Dlace Phone siblian [V]->voiced-non

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+ when we form , and have plural are Sound ang Source only include phenefic and orphile, 'c m lexica includ J the Gi eri Ce envoma ie Pluna Cou Phonetic morphole 10 ense ilen les SPe obviagly related Phono by cal knowledge Part basis مافى قبله او 90 EX: ist Wen VS explai entron Dhame Cadihi morpholica but chang, ally because regul hor adups lexica, es Notecryle 50 ange lexically floned CO morpholgically a 'suppledion Called firs change

-ico 1 14 -----Suppletion - when we have an alternation flat 's not -----Phonefically condition but morophologically and lexically -40 condition. -40 Etimouse vs mice juruglar (lexically condition 140 Ubut I can't explain why fors] becomer >[1] Lun in mice phonefically (fore's no conleption lin we dou'll I have gly so this is a non-phonoke after t La a phonetic environment which called supplepion la fet causes the change len * Alternation types: one or more allophones 40 involved in alternation restricted set of environment; Chasa lized vowels only before hasal consonants) 100 1000 1) Alternation may accur in phonepic certain Lon envir oment 100 2) Alternation may only be in the presence of certain 100 suffixes. 100 be in the presence of certain 3) Alterhation may only 100 lexical items. 10 ") Altornetion maybe optimal, or determined by factors other than immediate phonetic environa 100 ----only covered by phone fic. -Example: when aspiration happens at the begining of 100 word (fat 's promotic envirance naglatization happens before a way (Phonetic 100 twe can't have lexical conditions by itself.

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torm one ado and Svemovine 5400 Q Prachk environ 6 For n -6 roiceless nhà 16 6 Rhui -Nasa stop5. org P, b, tro Re de +54 Alternation un add # (Postion Note: ve 95 Vow pora icel infal voue Feature mit

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belice Sal oral devaiced constha 4.05 # V 51 015 Co 20 bol C C revid e waces (e circular D ory 1 .2.3 devoiced be 600 Noren

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G have CohSa 9 de. optina if il 2eres 1 Rules voiceless has a be 1 195 (3) finelly Word e an Allophone losa phonem 1 end 50h + Nasa 4 FNasal hop Replace 0 Vallo 1 or > This speiche gaig to 15 Some he following place Features 81 504he In Possibl 0 + Aut Bil a M Theomplete quit velas 04 1 Au Awcalo 4 nrelease diffected 3 Allophones 3 Scanned with

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6 -4 Raut In a similar alteration ---means the verbal flat used to indicate selection these options option but 900 environent environe 15 - (10) allophone alterhetion -0 feetine eature tollo to COPY Hot 60 Alpha Astaphian ---Nasa ------process peralins phono Qi'a vyles. -Assimilation , one allophone more similar 45 allo phone follows it or precee a 10 Kample hasas becomer comes 100 more Sim enurroma 40 - / w/ becomes devaices k.WeT 5 5 arter Fx and because 100 by a voiceless aval stops Preceeded wit's not very comme 2) Dissimilation Ex: chinney -N sit's less similar envor mong les similar IW Uphoetic envir to (m/ this make dissimilation what follows and what comes befor

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Addition 3) 's diffice when 1 gif we Prondace Something ad EJhdeps eri · h de additing due 4) Delehion (Elision ve Bm Ex; L6 16SIL9 2 T we solud change bey of 501 Bir 210 Sequenc segn 8 0 op ar ori 04 ne ren hãn Som and re

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