How to right justify an fc word (in type H) Def. from Green's paper. b= bi, biz -- bie where w= i, iz -- in D an fo word w. Take bp. Then bp D

in addition by can be lateral in two ways / two bpbqbp convex chains in HCW) wither bp as an extremal vertex bijbg bj. bjbp, then (this) bp is bilateral. detterent interval by's. (Note: B&H: lateral => in {b. .b.]) Lemma 3.2.1. In type H, a bilateral letter must be b1. lateral. bil. bil lateral, not bil.

EX-(H) b. b. 5. b. b. b. b. b. b. b. .

Det. The set R for w = bi, -- big is the set of letters (1) S & internal. -> have code for checking this. after (sumutation), we can move it to a subsequence tst where to bileteral. ours W= b, bb bz bs b1 b3 b2 b1 Det. w is right justfied of VII) USER, the letter mm. to the left of S B other lateral or neternal (either (or 2). Conjecture. To right justify on Fe word W. it suffices to proved false later.

See rj.pdf. (1) @ Separate w into two parts (We'll collect $W = \chi y$ the final result by repeatedly preparly Then do a {1.2} coset decomp. on X to get things to an mittal enpty word.) $w = x \cdot y = \chi^{I} \cdot \chi_{I} \cdot y$ (2) Prepend XIY to the collected word (empty at this point) (3). Recure w/ x2 in place of w, i.e., RJ(w) = RJ(x2). [xy], with x2 is empty. $\underline{W} = 16 \text{ v5 (3 2)} \cdot \underbrace{(1)}_{(1)} \otimes \text{ does} \quad [6 \text{ 253} \cdot [12] \cdot ()]_{1} \longrightarrow \underbrace{b}_{(2.53)}_{(2.53)} [12]_{1} \longrightarrow \underbrace{b}_{(2.53)}_{(2.53)}_{(2.53)} \longrightarrow \underbrace{b}_{(2.53)}_{(2.53)}_{(2.53)}$

Recall that if (w.s) is a finite (exeter system w) longest est Wo. Then $Tw_0 \cdot C_W = \int_W C_{\lambda lw} + \sum_y c_y c_y$ Where $\int_W C_{\lambda lw} + \sum_y c_y c_y c_y$ and all elts in $\int_W C_{\lambda lw} + \sum_y c_y c_y c_y c_y$ are in strictly lower two-sided cells than w. i.e. $y \subseteq w$ but $w \not= y$. Moreover, $\lambda(\lambda w) = w$. What, Mw? Nlw)?

compute Two. Cw Todo (immediate) in the K2 bays
W. long_clement() $T_{\text{Wo}} = T_{\text{Si}} \cdots T_{\text{Sk}}$ if $w_0 = S_1 - \cdots S_k$ reduced. $= \left(C_{S_1} - \bar{V} \right) \dots \left(C_{S_k} - \bar{V}^{-1} \right)$ Cs. Cw = { (v+v') Cw if sw > w Csw + \(\sum \text{M(y,w)} Cy if sw > w sy < y < w \(\sum \text{we Coxeter3}, see hecke.py \)

lie. code Two. (w, maybe Bruhat order, sage has bruhat | wherely. A signments: GPL. Chase, Notalie. also η_w , $\chi(w)$. assume LC(w) = left star observe write a proof for the conjecture. If w. finish the code for types B and H. Gp2. Joel, Thomas.