t, B, initial acyclic

Le Cambria: fan t s.t. Le g-cone of t w/respect to to. So exists sortable elevent (sortry word) $k = k_1 - k_2 - k_3 - k_4 - k_4 - k_5 - k_6 - k_$ $\lambda_i = \mathcal{T}_{\mathbf{k}^{-1}}^{\mathbf{g}_i}(\lambda)$ is in the positive core. $\mathcal{M}_{\mathbf{k}^{-1}}(\mathbf{g}_i) = \mathbf{g}_{\mathbf{k}}$ Note $(\mathcal{T}_{\mathbf{k}^{-1}}^{\mathbf{g}_i})^{-1} = \mathcal{T}_{\mathbf{k}^{-1}}^{\mathbf{g}_i}(\lambda)$ Want:

MBE { \lambda, + Be \arg } \leq \int \begin{array}{c} \begin{array} MB. is a piecewise-linear automorphism from the mutation for B, to the mutation for B2. $\mathcal{N}_{s}^{B_{1}}\left(\mathcal{N}_{k}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}\right)=\mathcal{N}_{s}^{B_{1}}\mathcal{N}_{k_{1}\cdots k_{m}}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{k_{2}\cdots k_{m}}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}=\mathcal{N}_{s}^{B_{4}}\left\{\lambda_{1}+B_{4}\alpha\right\}$ η η () = >, $\mu_1(\mathbb{R}) = \mathbb{R}_2$ $\mu_{21}(\mathbb{R}) = \mathbb{R}_1$ N124 (B) = B4

By induction on l(k) (considering vector 75 (x) with initial seed to ad Bx): $\mathcal{T}_{k_{2}\cdots k_{m}}^{B_{t}}\left\{\lambda_{1}+B_{t}\alpha^{2}\right\} \subseteq \mathcal{L}_{k_{2}\cdots k_{m},C_{i}}^{B_{t}}\left\{\lambda_{1}+B_{t}\alpha^{2}\right\} = \left\{\left(\gamma_{s}^{0}\right)^{1}\lambda+B_{s}\right\} \subset \mathcal{U}_{ves} + B_{s}, t_{1}\alpha^{2}$ Lemmal: $(Z_{s,c}^{B})_{s,c}^{-1}$ $\{p_{s}^{B}\}_{s,c}^{-1}\}_{s,c}^{-1}$ $\{x_{s}^{B}\}_{s,c}^{-1}\}_{s,c}^{-1}$ $\{x_{s}^{B}\}$ $\underline{\text{Lemma 2}}: \left(\mathcal{N}_{s}^{\text{B,}} \right)^{-1} \mathcal{L}_{k_{2}\cdots k_{m},C_{l}}^{\text{B4}} \left\{ \lambda + \mathcal{B}_{t} \alpha \right\} = \left(\mathcal{L}_{s,C_{t}}^{\text{B,}} \right)^{-1} \mathcal{L}_{k_{2}\cdots k_{m},C_{l}}^{\text{B4}} \left\{ \lambda_{l} + \mathcal{B}_{t} \alpha \right\}$ Hopefully this is easy because this is a source-sink move, may be using the fact that we know the convection to C-vectors.

These top learner complete the case $\ell(st) = \ell(t)$. if we can prove them!

If l(sk) > l(k) then s does not occur in k, ... km Write Boxos or Boxos or Boxos for deleting that now and/or column.

 $\mathcal{L}_{\mathbf{k},c_{1}}^{\mathbf{g}_{t}}\left\{\lambda_{1}+\mathcal{B}_{t}\,\alpha^{2}\right\}=\mathcal{L}_{\mathbf{k},c_{1}'}^{\mathbf{g}_{t}c_{3}}\left\{\lambda_{1}+\mathcal{B}_{t}c_{3},\alpha^{2}+\left(\mathcal{B}_{t}\right)_{5}\cdot\left(\inf_{i\neq j_{1}}\right)\right\}$ $N_{k}^{\beta_{k} < s7} \left\{ \lambda_{i} + \beta_{i+cs}^{\beta_{i}} \alpha^{i} \right\} \leq \mathcal{L}_{k,i}^{\beta_{k} < s7} \left\{ \lambda_{i} + \beta_{i+cs}^{\beta_{i}} \alpha^{i} \right\} = \left\{ \lambda_{i} + \beta_{i}^{\beta_{i}} C_{\beta_{i}cs}^{\beta_{i}} + \alpha^{i} \right\}$

If l(sk) > l(k) If we ighore column s of By (write Bdess) and $\eta^{B_{4}} \left\{ \lambda_{1} + B_{4} \alpha \right\} = \left\{ k \left\{ \lambda_{1} + B_{4 < s} \right\} \left\{ \lambda_{1} + B_{4 < s} \right\} \left\{ \lambda_{1} + B_{4} \alpha \right\} = \left\{ k \left\{ \lambda_{1} + B_{4} \alpha \right\} \right\}$ $\mathcal{L}_{\mathbf{k},c}^{\mathbf{B}_{\mathbf{t}}}\left\{\lambda_{1}+\mathbf{B}_{\mathbf{t}}\alpha^{2}\right\}=\mathcal{L}_{\mathbf{k},c_{1}^{\prime}}^{\mathbf{B}_{\mathbf{t}}\langle s\rangle}\left\{\lambda_{1}+\mathbf{B}_{\mathbf{t}\langle s\rangle}\alpha^{\prime}+\left(\mathbf{B}_{\mathbf{t}}\right)_{s}\cdot\left(\underset{i\rightarrow \mathbf{t},\mathbf{u}}{\mathsf{hon}},\underset{i\rightarrow \mathbf{t},\mathbf{u}}{\mathsf{hon}}\right)\right\}$ $\mathbb{A}_{k}^{\mathsf{B}_{\mathsf{t}} < \mathsf{S7}} \left\{ \lambda_{i} + \mathbb{B}_{\mathsf{t} < \mathsf{S7}}^{\mathsf{t}} \right\} \subseteq \mathbb{A}_{k, \mathsf{C}'}^{\mathsf{B}_{\mathsf{t}} < \mathsf{S7}} \left\{ \lambda_{i} + \mathbb{B}_{\mathsf{t} < \mathsf{S7}}^{\mathsf{t}} \right\} = \left\{ \lambda + \mathbb{B}_{i}^{\mathsf{t}} \, \mathbb{C}_{\mathsf{B}, \mathsf{CS7}}^{\mathsf{t}} \, \mathbb{A}_{i}^{\mathsf{t}} \right\}$ But we need it if these are to be equal.

OK, what we're doing here:

- since we're doing the "add a column" mutaria maps, we're actually doing the mutarian few for BT (B,T, Bt, etc.)
- This mutation for has the g-vector fan for B as a subfan, which he have has the c-Cambrian for as a subfin (with c such that B is [2+6]).

(Fan Qin's dominance order is also detail with "old a column" and take maps.) K → [bik] 9 k;

 E_X : $B = \begin{bmatrix} 0 & 1 \\ -1 & 0 \end{bmatrix}$ $C = S_1 S_2$

 $\begin{bmatrix} 0 & 1 \\ -1 & 0 \end{bmatrix} \overset{q}{b} \xrightarrow{1} \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix} \overset{-a}{\star}$ This is the right map to send the to the c-Cambrian fan to another mentation fan