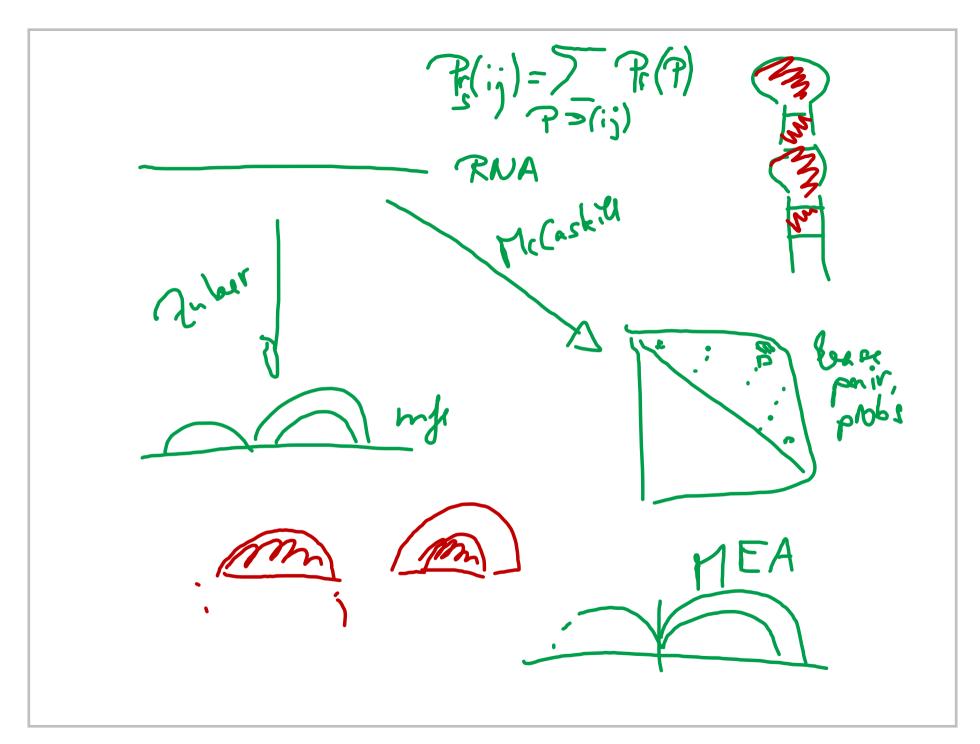


Titel: Nov 16-14:14 (1 von 16)



Titel: Nov 16-14:39 (2 von 16)

$$R = R[i] ... R[i]; P = (Pii); Risolution$$

$$S = S[i] ... S[i]; Q = [Oii]; P(ii) O(iii).$$

$$Score (A|R,S) = P(ii) O(iii).$$

$$+ \chi = P(i) Q_{i}(i) Q_{i}(i)$$

$$+ \chi = P(i) Q_{i}(i) Q_{i}(i)$$

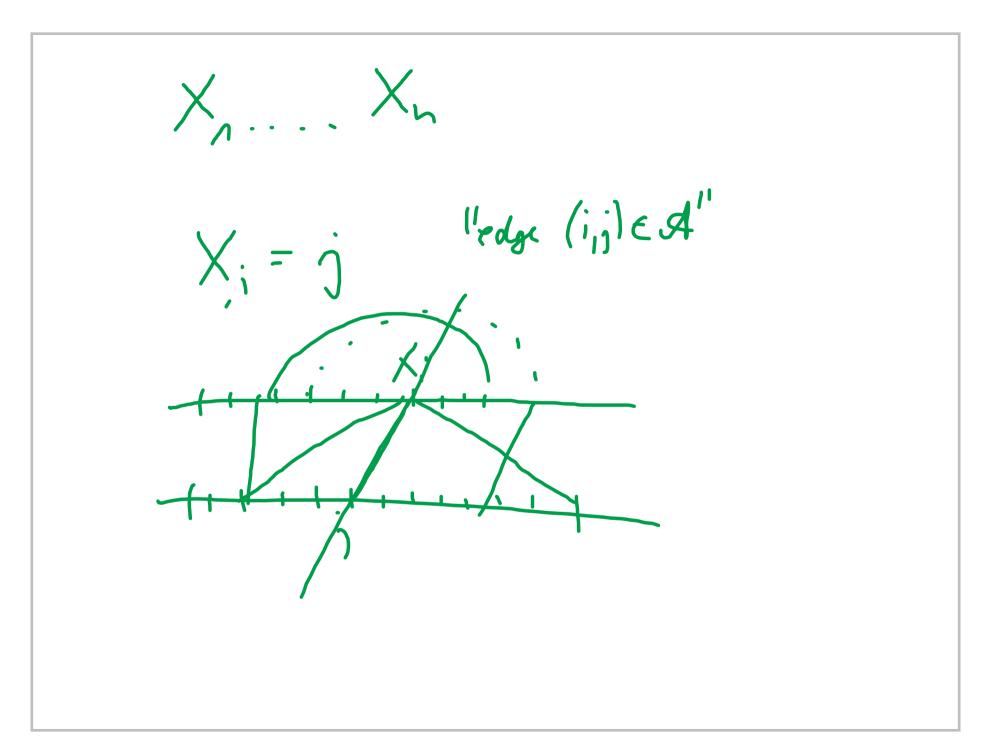
$$+ \chi = P(i) Q_{i}(i) Q_{i}(i)$$

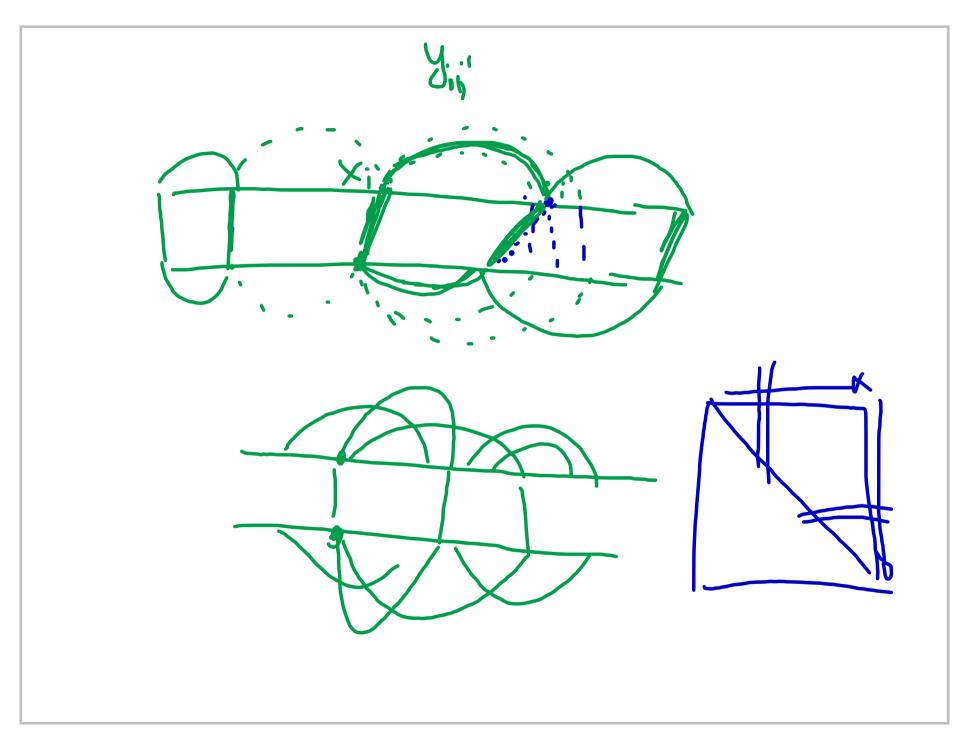
$$+ \chi = Q_{i}(i) Q_{i}(i) Q_{i}(i)$$

$$+ Q_{i}(i) Q_{i}(i) Q_{i}(i)$$

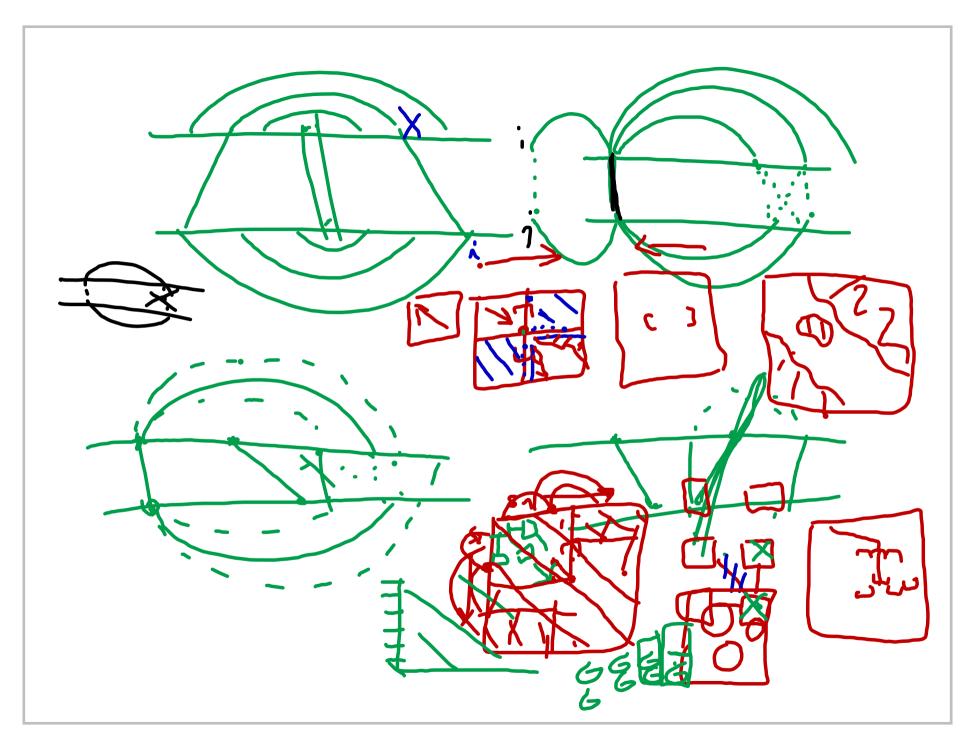
$$+ Q_{i}(i) Q_{i}(i) Q_{i}(i)$$

Titel: Nov 16-15:22 (3 von 16)



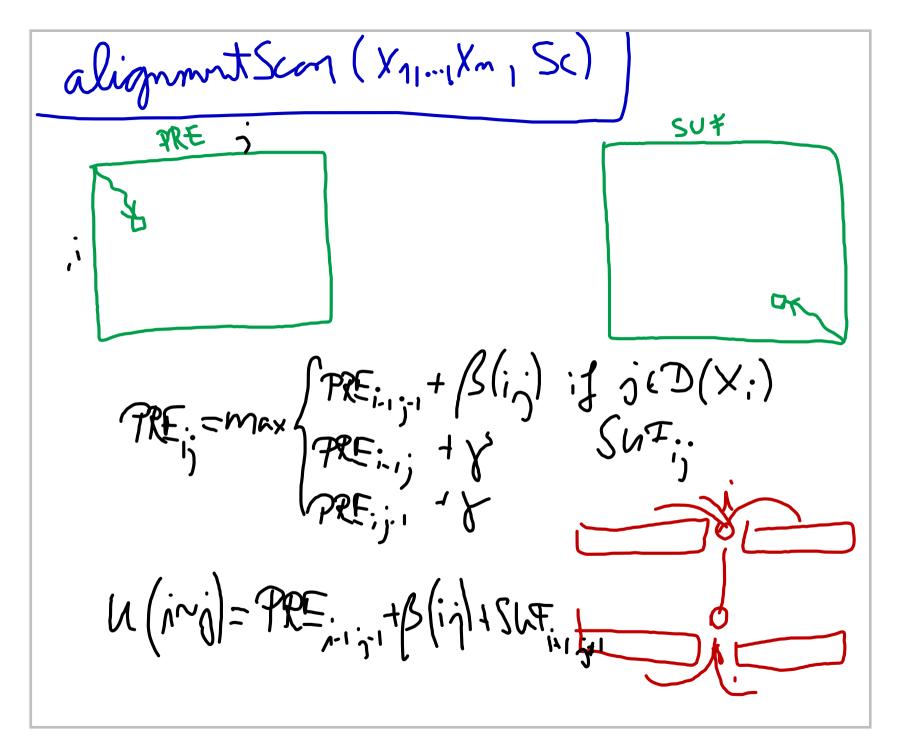


Titel: Nov 16-15:55 (5 von 16)



Titel: Nov 16-17:20 (6 von 16)

 $\chi_{1...}\chi_{n}\in\{-,0,...,m\}$, $S\in\mathbb{N}$ X=i : > position i aliquet to position j Sc (= read sorted(X11...Xn) alignment Score(X1,..., Xm, S) ~ thatquints xn, 1/2 PLS Seguences thatquints xn, 1/2



Titel: Nov 17-16:40 (8 von 16)

Simplest idea
$$\begin{array}{l}
S(ij) = G(R(i),S(j)) \cdot P_n(i) \cdot Q_n(j) & \text{match} \\
+ \sum_{(ii') \in P_n} \frac{1}{2} \cdot P(ii') \cdot Q(jj') \cdot T(R(i)R(i') \cdot S(j)) \cdot S(j') \\
+ \sum_{(jj') \in Q_n} \frac{1}{2} \cdot P(ii') \cdot Q(jj') \cdot T(R(i)R(i') \cdot S(j)) \cdot S(j') \cdot S(j'$$

$$\frac{2.idea}{\beta(ij)} = G(R[i),S[j]) P_{n}(i) Q_{n}(j) | match of accordance of accordanc$$

3.
$$idea$$

$$\frac{3(ij) = 5(R(i),S(j)) \cdot R(i) \cdot Q(j)}{2(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j))$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j) \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

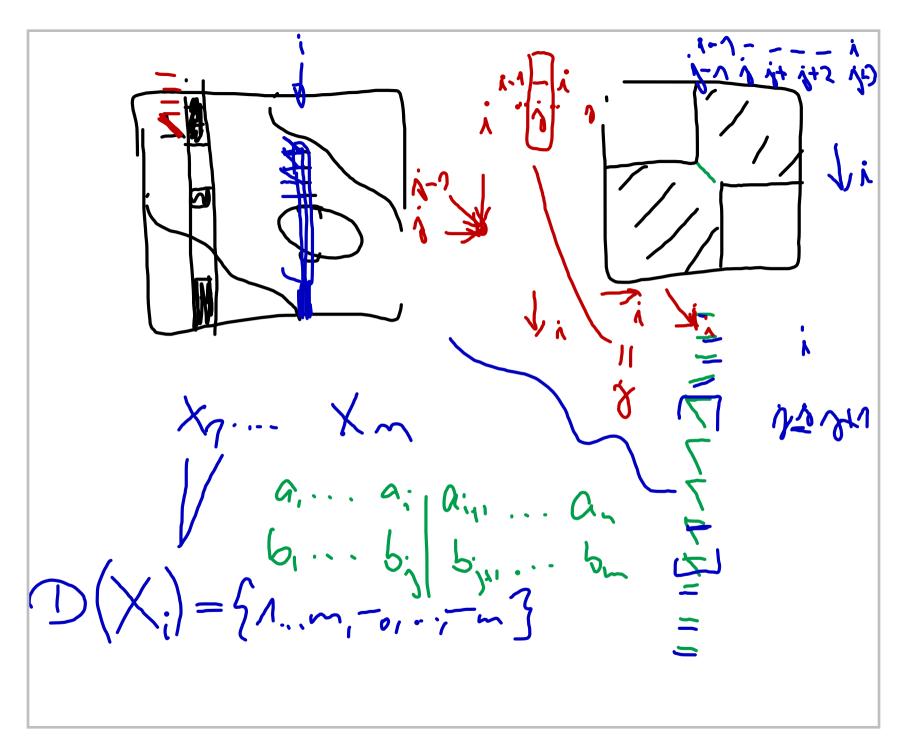
$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

$$\frac{1}{(ij) \cdot Q(j)} \cdot \frac{1}{(ij) \cdot Q(j)} \cdot T(R(i)R(i') \cdot S(j)$$

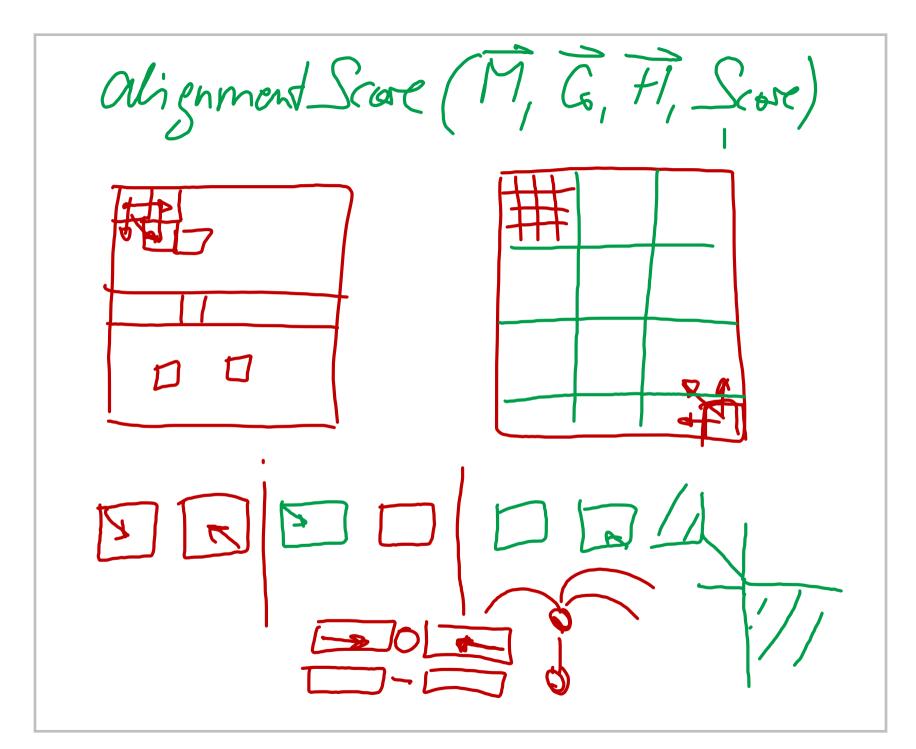


Titel: Nov 17-17:32 (12 von 16)

="match i~j" = alignment can be Otecomposed into an ilyumat of a...ai, b...b; and an abjunt of by... by.

Coast model

Titel: Nov 17-18:32 (14 von 16)



Titel: Nov 18-17:47 (15 von 16)

Fring & Apper Bounds U (inj)= PRE: +B(ij)+SLF. M(ini) < min (Score) -> M; # j $U(i\sim-jj)=PRE_{i-1j}+y+SNF_{i+1j+1}$ $U(i\sim-jj)<\min(Score)\longrightarrow G; \neq j$ ((-in/1)= PPE; 1 / Sho; 1: j+1
((-in/1))= PPE; 1 / Y + Sho; 1: j+1
((-in/1)) < min(scar) -> H: \$j

Titel: Nov 18-18:38 (16 von 16)