- => Haminy Distance = 4
- Der Genotyp hat die Lange n=46, also 45 mighte Crassour spelhagen Angenommes ein Crossover Sinkel zu 100% shit, ergeben sich folgende Steller innother der Sunktional resammengehiraler Gruppe:

$101001\underline{\textbf{0}}1010000101101110111\underline{\textbf{01}}01010010010101\underline{\textbf{1}}00\underline{\textbf{101}}1110111$

Das bedrutet, venn an 32 der 45 migliden crossover stellen Ocspalten wird ist die Emppe autgebroden

32 = 0,711 = 71,11%

3	P.Sad coddering	P= (12	. 7	4	653)
$\overline{}$	10 mil coareond	1 /12	. T	٩	6 S S)

Kanten and brung K=(2716354)



Original Codierry 0=(1152321)

SLA	tink.	he/calma
1	1-6-3-4-5-6-2	1
2	5-3-4-22-6-3	1
7	3-4-5-16-07	6
4	3→4→5→6	2
6	3 -5-6	3
5	7 →2	2
	2	

(4) 1. Absolute Getterhoondraken

	Pa (11)	P3 (1,2)	P. (24)	P3 (4.5)
T	Pa (3.2)	Py (1,3)	P+ (45)	Pro (44)
T	P. (2,2)	P ₅ (43)	P. (0,1)	Pan (5,4)

2. Relative Gettobardinates

(Po (010)	P2+2 (4)	Ps-1 (9)	Prog (8)
	Pag (0)		P (9)	r,(y)
	P1-02 (4)	P (1)	12-3 (8)	P (1)

(Po (010)	P 3 (6)	Ps= (LG)	Pro (1)
	P., (6)			
	Pro (L6)	P. 15 (RG)	P24 (16)	Pro+11 (16)



3 2 1

	0]		_
Po (010)	24 (0/1)	P. (119)	Pro (011)	
Bu (11)	Prof. (1/0)	P (4/9)	Good (119)	
P. 641	P (0/1)	12. (0/4)	P (M)	

Epitasie messen:

- 1. Venn in absoluten Koordinaten ein Auflit vurschlen wird, verandern ord alle anderen Ohne veiters worked gar not? - Es extent ine locker in der productility and one topitorie in Phinotyp at der Position, ander der Verschafty statistic.
 - Das kans able Aberban n-2 bis n-(n-1) bekelten. Epitarie = Albirosophit (Anal) aller bene nich woodes
- 2. In relation bitterboombroken land bei ever Mother Laine Lieble not entitles, de Folgeless whinter when descript and in Humelsonding created when

Deloch bestelt die Modellet, dess ab dem Matolaspunkt durch		white a	
dhe trige hoodinahu	2-5-8	ONOS ODOS	D-D-H
	_	- Seelle	17-0

3. After adjusted the bodygrees, we can't be 1 be 2 night. Abilit de Fighelly at him Modagnith the Stubb and had and the surgets, Exited grant beine Modagnith in Phinappy about the hos Modagnith

Georgishe Epikon

Die relation Konformationsharokrafen?

DI GLER Realfs be:

Algorithms Sir Überkoppy bei relation Kansmataen ohne Koondraka?

1 1. I. I will a list a Comban 1) 11. 11. 12. 12. 14 I will a deel Sa 11. 14.

1 Function check Overlaps & Counte (List & Direction - 1)

Actual lissing ans F11215 £ 1 12 1 d=71 Untroduct: 2

> Algorithmus thes - Liste aller Koord it a cotalen - Districted which is helper !

Neuer Abschnitt 2 Seite 1

```
Algorithms Sir Dibotopping bei relation Konsmataen ohre Koondralen?
Army = Orectors a = []
int endaps = 0
bol shirtd = Salec;
   Sor (int i=0; i < al. (and(); i++)
  is (a cont = 0)

a put (ABS);
is (blogled) // me atwhet and Sound an ander the to opposing discharge

and press;

the
        16 (C[a. Lark]) == NONTH [ di] == SOUTH
11 ([a. Lark]] == EAST [ di] == UEST
          11 = [a.lark]] == SOUTH [ di] == NORTH
         11 a[a.laH]] == VEST LL dD] == EAST)
            a. rome (a. cont());
       else a push (du); 1/other death : push
      6 tasted = true;
 return overlaps;
 Codey the owlops
 Koordistersystem Klasse wit Felder and book beretet.
  Viel speiderverbranch V
   Class Tabelle | Garatet = true
                                        - alur absolde Koodhales
- no golurt ene Mutalion Lin?
```

Ausgoden in der Klauser homen blir have 3* dimn ;-)

```
Algorithmes - Liste all Koord for oother - Districtingland windows Pulker:
                                                                                    -d=0 sovelap
Function check Overlaps by Combs ( List & Director > d)
                                                                                  -d >j > break, well for disen Pult
int overlaps =0;
                                                                                           sdaffer -r in j sdritter nicht - ehr zum Pult zied ze leben ?
Sor-(int i=0; i < d. canto, i++)
Eis (currion in world)
                                                                                 - j=i-2 -> v=stei, de beiden Voletaten lienen milhalt aut.
    owlaps++
 else visited add (curribut);
 is d.at(i) == Direction: North
      curriount = (curriount[] anofount[]-1).
 is d.ata) == Direction: East
 current = (currentota, currentaj);
is duti) == Directon: South
    current = (currento), current[]-)
 if dat(i) == Direction: West
   current= (current[0]-1, unfant[1]);
retim overlaps;
```