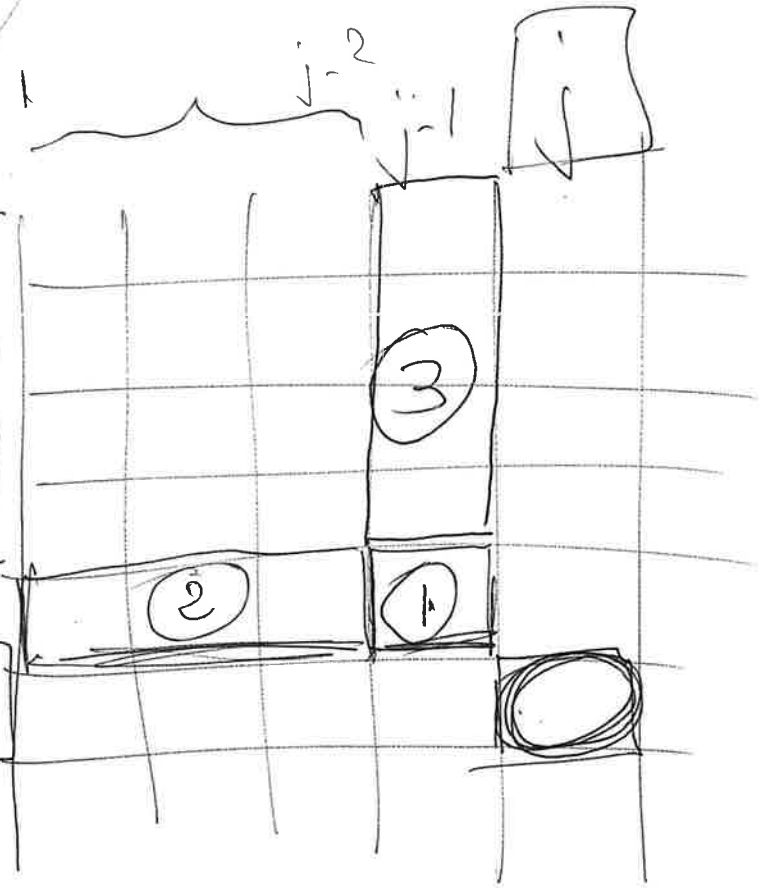
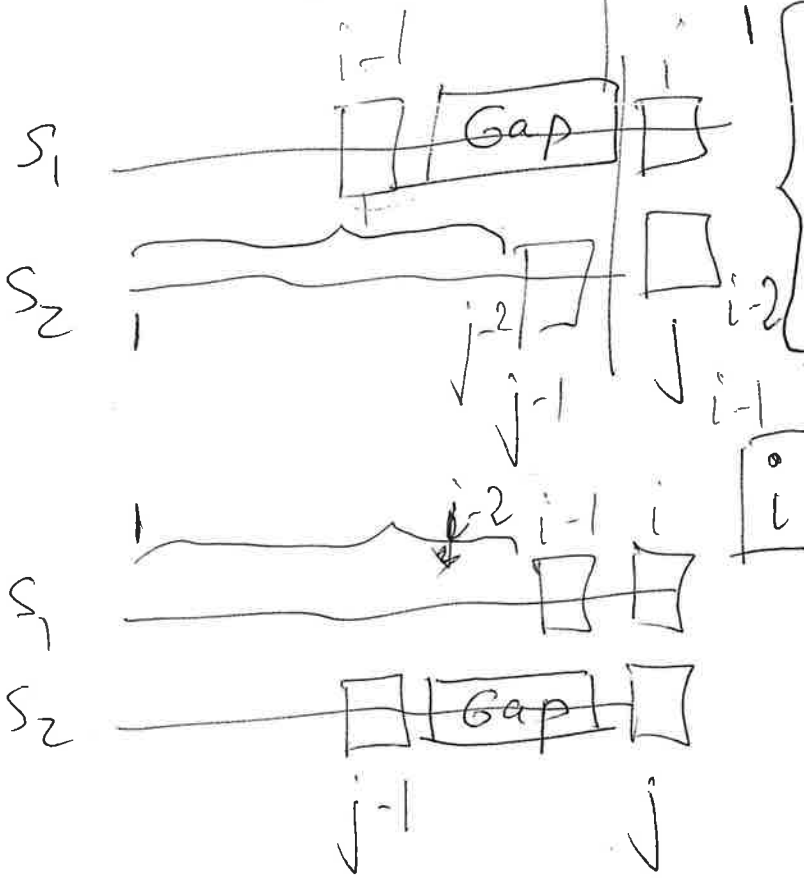
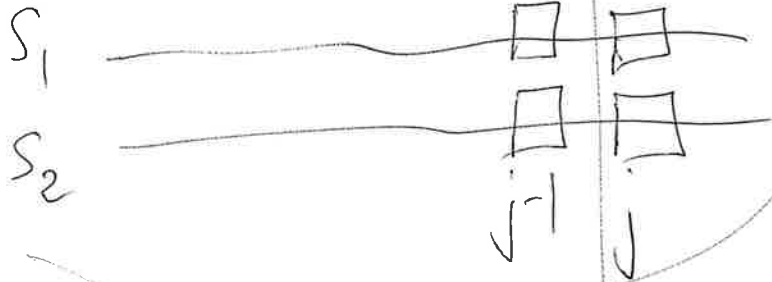


Optika 1



Warm-up:

Align $S_1: A A T G C$
 $S_2: A G G C$

Score: Match: +10 Mismatch: \emptyset Gap: \emptyset

	A	A	T	G	C
A	10	10	0	0	0
G	0	10	10	20	10
G	0	10	10	20	20
C	0	10	10	10	30

Score Match: +10 Mismatch \emptyset Gap: -2

	A	A	T	G	C
A	10	8	-2		
G					
G					
C					

	A	A	T	G	C
A	10	8	-2	-2	-2
G	-2	10	8	18	8
G	-2	8	10	18	18
C	-2	8	8	10	28

Seq 2 \Rightarrow A A T G C

~~AAAA~~

A
↑

10

— A

↑
8

— — A

S₁: G A T T A G C

S₂: A T T A C

Match: 10 Mismatch: ∅ Gap: ∅

	G	A	T	T	A	G	C
A	0	10	0	0	10	0	0
T	0	0	20	20	10	10	10
T	0	0	20	30	20	20	20
A	0	10	10	20	40	30	30
C	0	0	10	20	30	40	50

G A T T A G C
 - A T T A - C