DNA	C	G	T	A	A	C	T	A	G	T
i	1	2	3	4	5	6	7	8	9	10
$\alpha_{i,x}$	-1	1	-1	1	1	-1	-1	1	1	-1
$\alpha_{i,y}$	-1	-1	1	1	1	-1	1	1	-1	1
$p_{i,x}$	-1	1	-3	5	21	-11	-75	53	309	-203
$p_{i,y}$	-1	-3	1	9	25	-7	57	185	-71	441