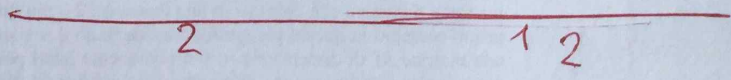


Esercizio 4

\emptyset	\emptyset	1	2	3	4	5	6	7	8
\emptyset	0								
C	1	0	1	2	3	4	5	6	7
A	2	1	2	3	4	5	6	7	8
C	3	2	3	2	3	4	5	6	7
C	4	3	4	3	2	3	4	5	6
I	5	4	5	4	3	2	3	4	5
U	6	5	6	5	4	3	2	3	4
C	7	6	7	6	5	4	3	4	5
C	8	7	8	7	6	5	4	5	6
O	9	8	7	8	7	6	5	6	5

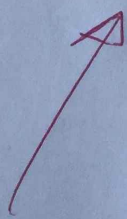
↖ ↖ ↖ ↖ ↖ ↖ ↖ ↖
 C A C C I U C C O
 C O C C I U - T O



5

$$p(i, j) = \begin{cases} 1 & x_i \neq y_j \\ 0 & x_i = y_j \end{cases} \quad \begin{array}{|l} \text{ESERCIZIO} \\ 5 \end{array}$$

$$M(i, j) = \begin{cases} i & j=0 \\ j & i=0 \\ \min \begin{cases} M(i-1, j-1) + p(i, j); \\ M(i-1, j) + 1; \\ M(i, j-1) + 1; \\ M(i-2, j-2) + 1/2 \end{cases} & \begin{array}{l} i \geq 2 \\ j \geq 2 \\ \&\& \\ \boxed{\begin{array}{l} x_i = y_{j-1} \\ x_{i-1} = y_j \end{array}} \\ \text{inversione} \end{array} \\ \min \begin{cases} M(i-1, j-1) + p(i, j) \\ M(i, j-1) + 1 \\ M(i-1, j) + 1 \end{cases} & \begin{array}{l} i \geq 1 \\ j \geq 1 \\ \text{senza} \\ \text{inversione} \end{array} \end{cases}$$



Regola ricorsiva

M	∅	L	A	S	T	R	A
∅	0	1	2	3	4	5	6
S	1	1	2	2	3	4	5
A	2	2	1	1.5	2.5	3.5	4
R	3	3	2	2	2.5	2.5	3.5
T	4	4	3	3	2	2	3
A	5	5	4	4	3	3	2

- S A R T A
L A S T R A

1 1/2 1/2

L → 2