|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | # |  | *j*-1 | *j* |  |  | *n* |
| # | 0,0 |  |  |  |  |  |  |
| *i*-1 |  |  |  |  |  |  |  |
| *i* |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| *m* |  |  |  |  |  |  | GOAL |

Algorithm

for *i* = 0, 1, 2 … *m*:

E(*i*, 0) = *i*

for *j* = 1,2, …, *n*:

E(0, *j*) = *j*

for *i* =1, 2, … *m*:

for *j* = 1, 2, …, n:

E(*i*, *j*) = min{E(*i*-1, *j*) =1, E(*i*, *j*-1) + 1, E(*i*-1, *j*-1) + diff(*i*, *j*)}

return E(*m*, *n*)