

# Quiz 11. Dynamic programming

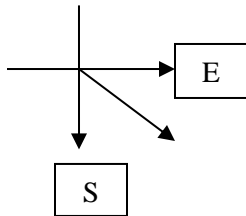
Solve the following puzzle:

The objective is to go from point A1 to point D4 in the table below, moving through the cells of the table: only East, South and South-East directions are allowed.

While passing through a cell of the table, you collect (positive values) or pay (negative values) the specified number of gold coins.

Find a path that will end up with the maximum number of coins collected.

In your answer, specify the number of collected coins and the path you used to collect them.



	1	2	3	4
A	1	--1	6	5
B	1	3	1	--1
C	--3	5	1	4
D	1	--1	4	5