1 Solution of 2

Algorithm 1 Optimising projects

```
function OPTIMAL(N, H)
    for i ← 0 to H do
        Optimal[0][i] ← 0
    end for
    for i ← 0 to N do
        Optimal[i][0] ← 0
    end for
    id ← 1
    for n ← 1 to N do
        for h ← 1 to H do
            Optimal[n][h] ← max_{i=0}^{h}(f_id[i] + Optimal[n − 1][h − i])
            Let the maximum be achieved for i
            Schedule Project id for time i
            id ← id + 1
        end for
    end for
end function
```