**Solution**

The problem can be solved by dynamic programming on the sorted finishing time of each customer. Let *S*[*i*] the optimal total profit of the (sorted) *i*-th customer. Let *t* be the last customer with finish time less than or equal to start time of *S*[*i*]. *S*[*i*] can be computed by picking the maximum value from *S*[*i*-1] and *S*[*t*]+*P*[*i*], where *P*[*i*] is the profit of visiting the *i*-th customer.