TRAVELING SALESMAN PROBLEM

```
C({1}, 1) := 0;
for s := 2 to n do
{
     for all subsets S ∈ {1 to n} of size s and containing 1
          C(S, 1) := infinity;
     for all j ∈ S and j ≠ 1
          C(S, j) := min{C(S-{j}, i) + d(i, j) for i ∈ S, i ≠ j};
}
Return(min_j C({1 to n}, j) + d(j, i));
```