

# AD [HA] zum 18. 12. 2013

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17. Dezember 2013

1.:

```
BellmanFord_modified(G,s):
    InitializeSingleSource(G,s)
    for i = 1, ..., |V| - 1
        nochanges = false
        for all edges(u, v) in E
            distTmp = v.dist
            Relax(u,v)
            if v.dist < distTmp
                nochanges = true
        if nochanges = true
            return true
```

2.:

**TODO**

3.:

**TODO**

4.: a)

**TODO**

b)

**TODO**

5.: a)

**TODO**

b)

**TODO**

6.:

**TODO**