

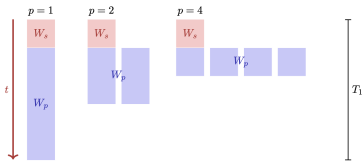
Markdown Conversion Test

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1 markdown conversion test

1.1 Header 1

Bold text small image:

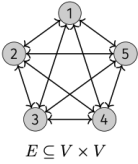


medium image:

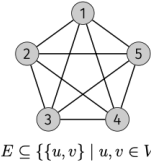
```
Input: Positiv gewichteter Graph  $G = (V, E, c)$ , Startpunkt  $s \in V$ , Endpunkt  $t \in V$ , Schätzung  $\hat{h}(v) \leq \delta(v, t)$ 
Output: Existenz und Wert eines kürzesten Weges von  $s$  nach  $t$ 

foreach  $u \in V$  do
   $d[u] \leftarrow \infty$ ;  $\hat{f}[u] \leftarrow \infty$ ;  $\pi[u] \leftarrow \text{null}$ 
 $d[s] \leftarrow 0$ ;  $\hat{f}[s] \leftarrow \hat{h}(s)$ ;  $U \leftarrow \{s\}$ ;  $K \leftarrow \{\}$ 
while  $U \neq \emptyset$  do
   $u \leftarrow \text{ExtractMin}_f(U)$ ;  $K \leftarrow K \cup \{u\}$ 
  if  $u = t$  then return success
  foreach  $v \in N^+(u)$  with  $d[v] > d[u] + c(u, v)$  do
     $d[v] \leftarrow d[u] + c(u, v)$ ;  $\hat{f}[v] \leftarrow d[v] + \hat{h}(v)$ ;  $\pi[v] \leftarrow u$ 
     $U \leftarrow U \cup \{v\}$ ;  $K \leftarrow K \setminus \{v\}$ 
return failure
```

large image



- ohne Schleifen (loops):
 $0 \leq |E| \leq |V|(|V| - 1)$
- mit Schleifen (loops):
 $0 \leq |E| \leq |V|^2$



- ohne Schleifen (loops):
 $0 \leq |E| \leq \binom{|V|}{2} = \frac{|V|(|V|-1)}{2}$
- mit Schleifen (loops):
 $0 \leq |E| \leq \frac{|V|(|V|+1)}{2}$

1.1.1 Header 2

Cursive Text code line

```
C++
Code Block
· items
· items
} indent
1. first
2. second
3. third
```

1.1.1.0 Header 3

Text

$$P = NP$$
$$x = 34$$
$$y(t) = 42$$