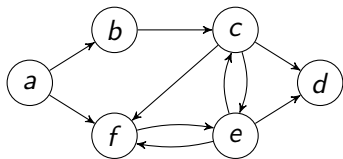
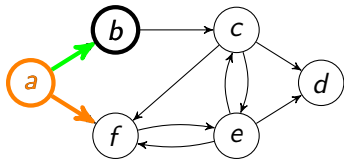


Breitensuche in einem Digraphen



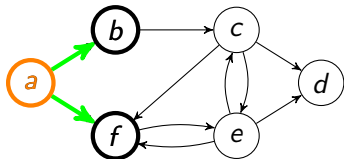
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$							

Breitensuche in einem Digraphen



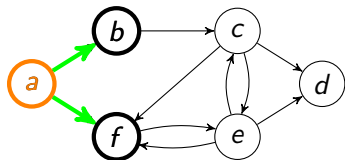
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$ a, b	a a	(a, b) (a, f)	B				

Breitensuche in einem Digraphen



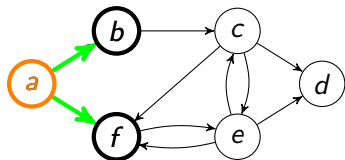
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a						

Breitensuche in einem Digraphen



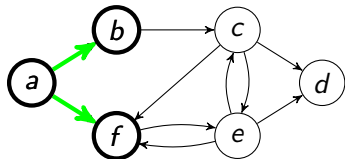
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-					

Breitensuche in einem Digraphen



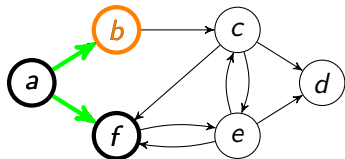
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				

Breitensuche in einem Digraphen



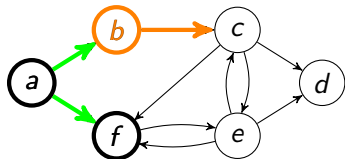
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f							

Breitensuche in einem Digraphen



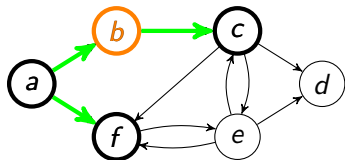
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b						

Breitensuche in einem Digraphen



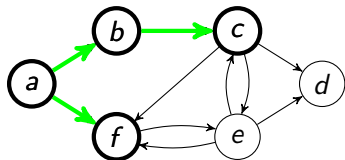
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)					

Breitensuche in einem Digraphen



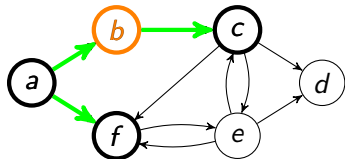
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				

Breitensuche in einem Digraphen



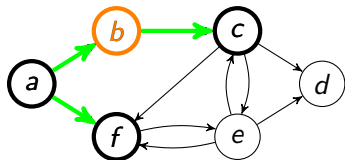
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c							

Breitensuche in einem Digraphen



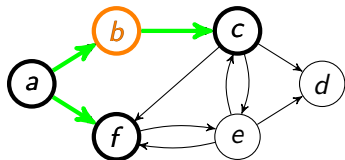
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b						

Breitensuche in einem Digraphen



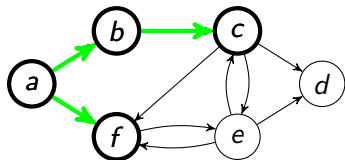
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-					

Breitensuche in einem Digraphen



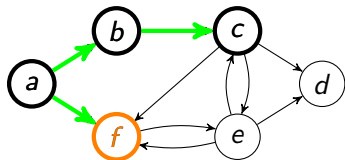
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				

Breitensuche in einem Digraphen



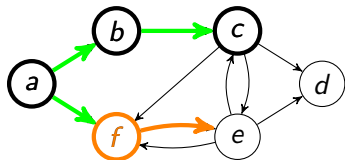
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c							

Breitensuche in einem Digraphen



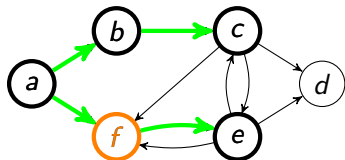
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f						

Breitensuche in einem Digraphen



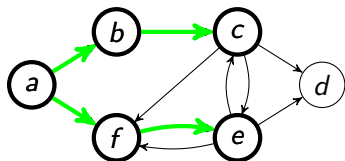
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)					

Breitensuche in einem Digraphen



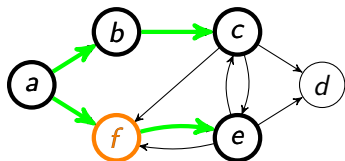
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				

Breitensuche in einem Digraphen



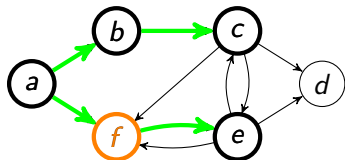
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e							

Breitensuche in einem Digraphen



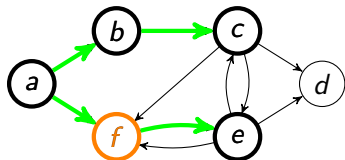
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f						

Breitensuche in einem Digraphen



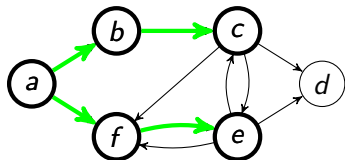
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	<i>a</i>	(a, b)	B				
<i>a, b</i>	<i>a</i>	(a, f)	B				
<i>a, b, f</i>	<i>a</i>	-	-				
<i>b, f</i>	<i>b</i>	(b, c)	B				
<i>b, f, c</i>	<i>b</i>	-	-				
<i>f, c</i>	<i>f</i>	(f, e)	B				
<i>f, c, e</i>	<i>f</i>	-					

Breitensuche in einem Digraphen



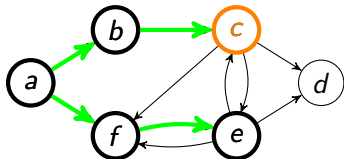
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				

Breitensuche in einem Digraphen



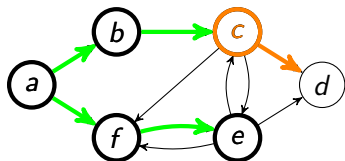
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e							

Breitensuche in einem Digraphen



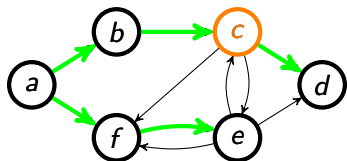
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c						

Breitensuche in einem Digraphen



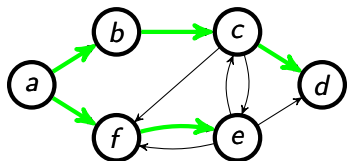
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)					

Breitensuche in einem Digraphen



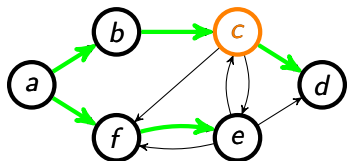
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B				
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



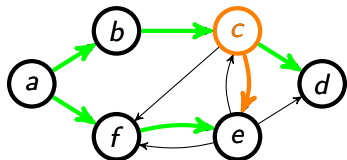
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d			
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



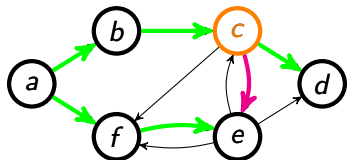
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c		
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



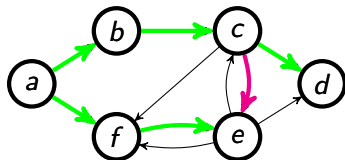
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



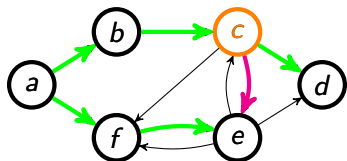
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B				
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



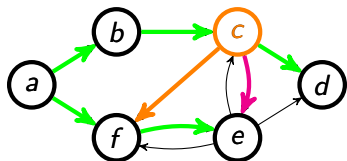
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d			
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



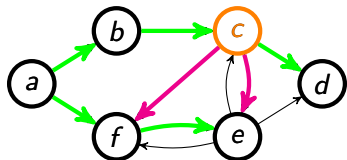
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c		
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



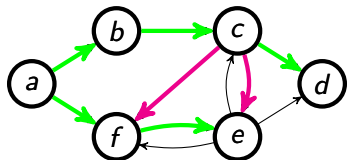
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B			(c, f)	
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



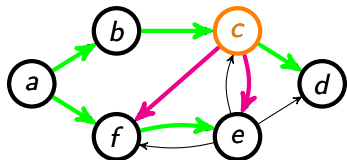
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-				
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



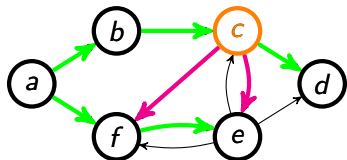
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d			
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



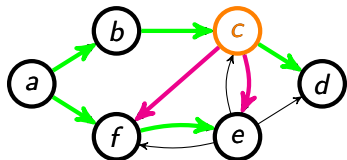
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c		
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



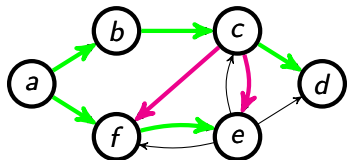
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



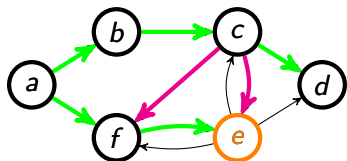
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B				
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



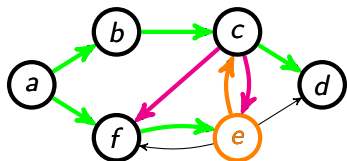
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d			
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



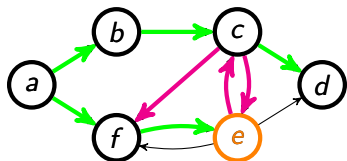
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e		
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



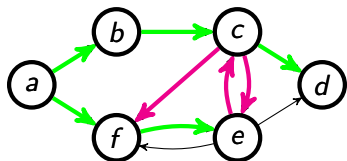
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



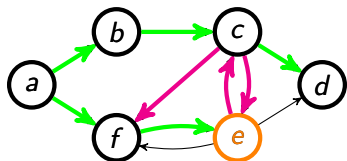
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-				
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



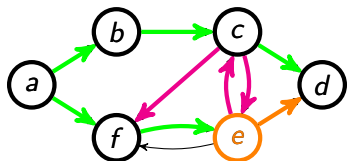
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d			
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



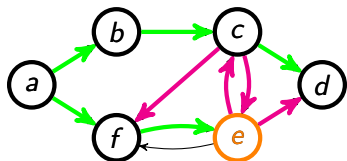
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e		
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



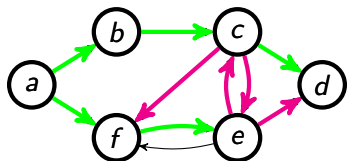
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



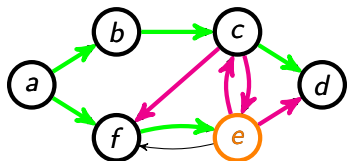
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B				
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



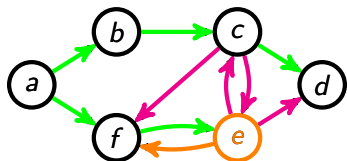
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d			
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



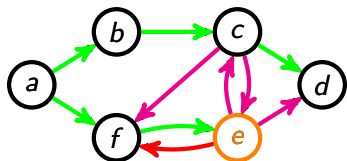
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e		
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



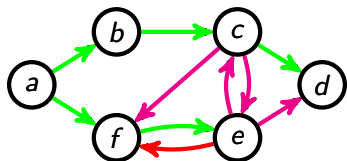
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



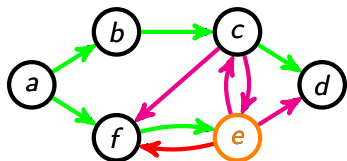
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-				
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



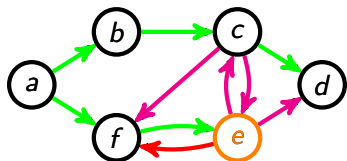
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d			
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



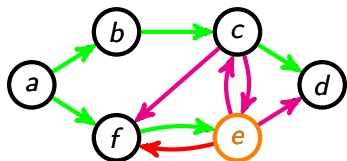
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e		
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



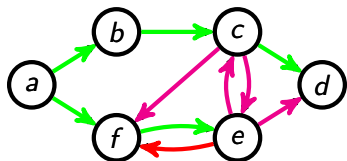
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



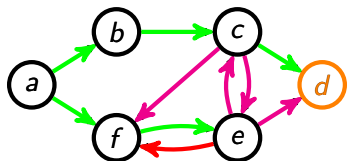
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B				

Breitensuche in einem Digraphen



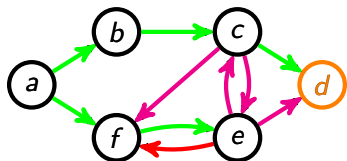
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B	d			

Breitensuche in einem Digraphen



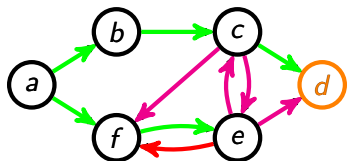
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B	d	d	-	-

Breitensuche in einem Digraphen



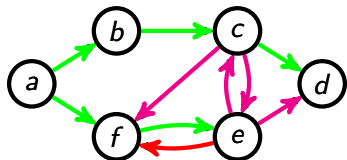
Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B	d	d	-	-

Breitensuche in einem Digraphen



Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B	d	d	-	-

Breitensuche in einem Digraphen



Schlange Q	bes. Knoten	bes. Kante	Typ	Q	bes. Knoten	bes. Kante	Typ
$\leftarrow a \leftarrow$	a	(a, b)	B	c, e, d	c	(c, e)	Q
a, b	a	(a, f)	B	c, e, d	c	(c, f)	Q
a, b, f	a	-	-	c, e, d	c	-	-
b, f	b	(b, c)	B	e, d	e	(e, c)	Q
b, f, c	b	-	-	e, d	e	(e, d)	Q
f, c	f	(f, e)	B	e, d	e	(e, f)	R
f, c, e	f	-	-	e, d	e	-	-
c, e	c	(c, d)	B	d	d	-	-