

(1)Initialisiere B[i]

[illegible]

universität
wien

```
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3)   Einfügen der Werte
      B[A[i]/10] in B[i]
```

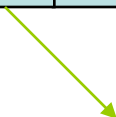
A	16	37	48	71	4	22	84	77	41	52
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[illegible]

```
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3)   Einfügen der Werte
      B[A[i]/10] in B[i]
```

A	16	37	48	71	4	22	84	77	41	52
---	----	----	----	----	---	----	----	----	----	----

B	0	1	2	3	4	5	6	7	8	9
	x	x	x	x	x	x	x	x	x	x



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]

A

16	37	48	71	4	22	84	77	41	52
----	----	----	----	---	----	----	----	----	----

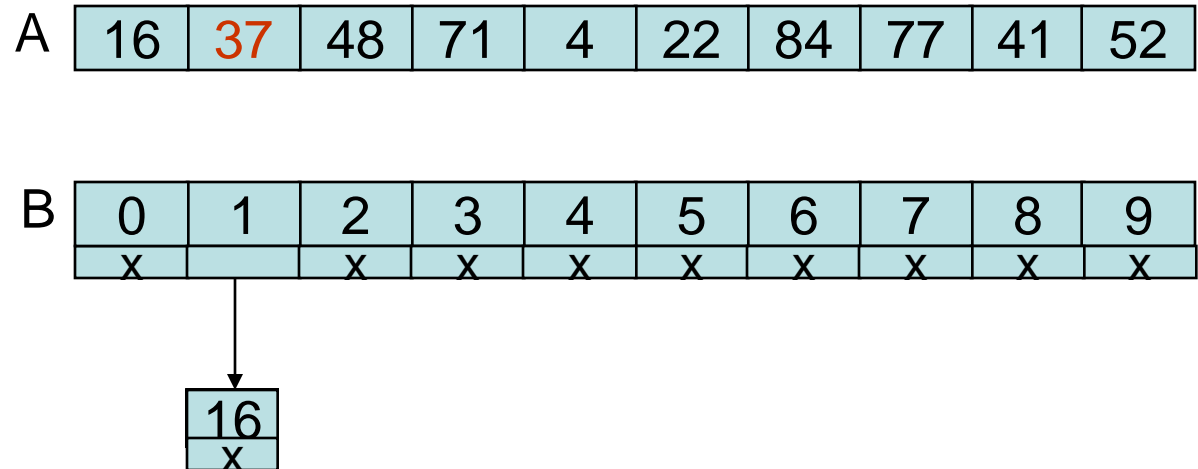
B

0	1	2	3	4	5	6	7	8	9
x		x	x	x	x	x	x	x	x

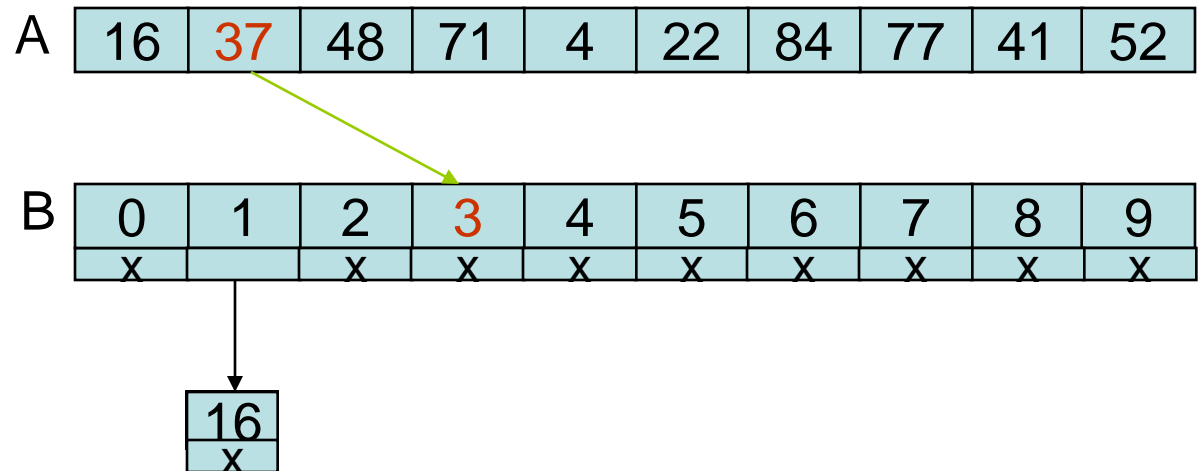


16
x

(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



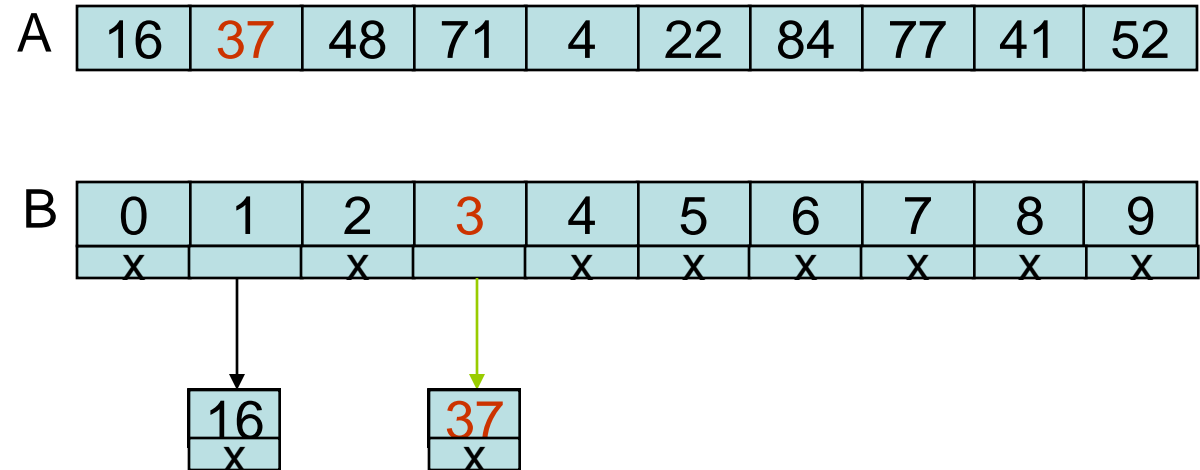
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D7)



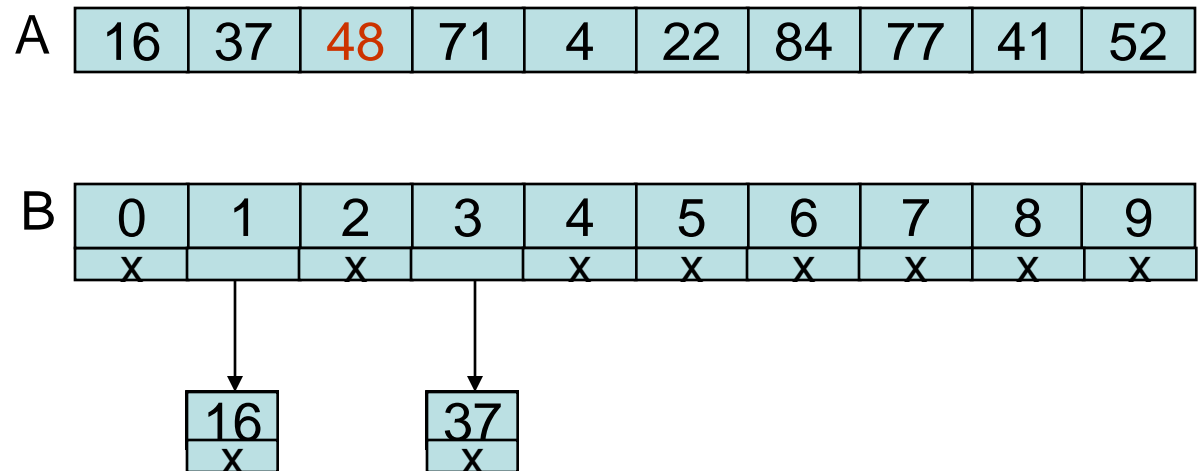
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



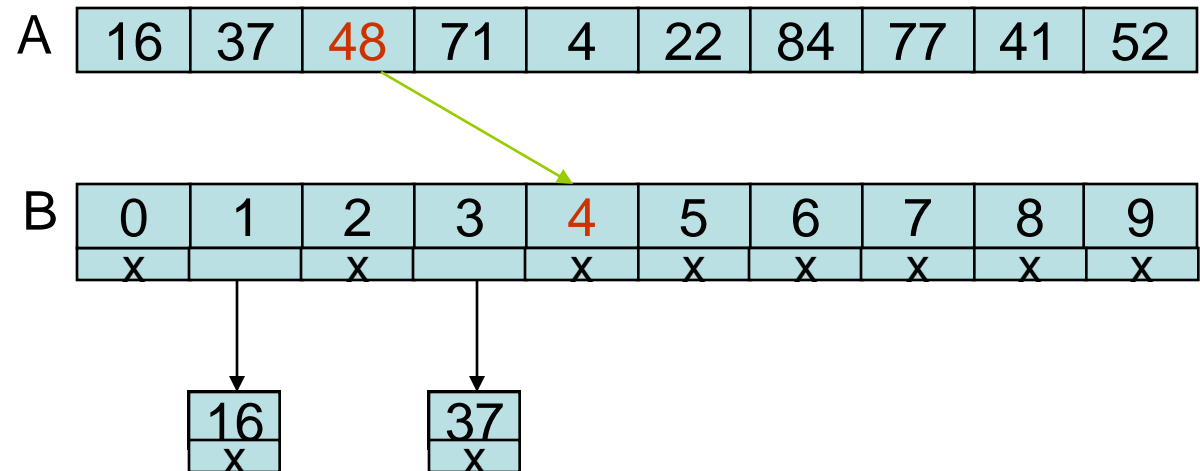
Bucket Sort (D8)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



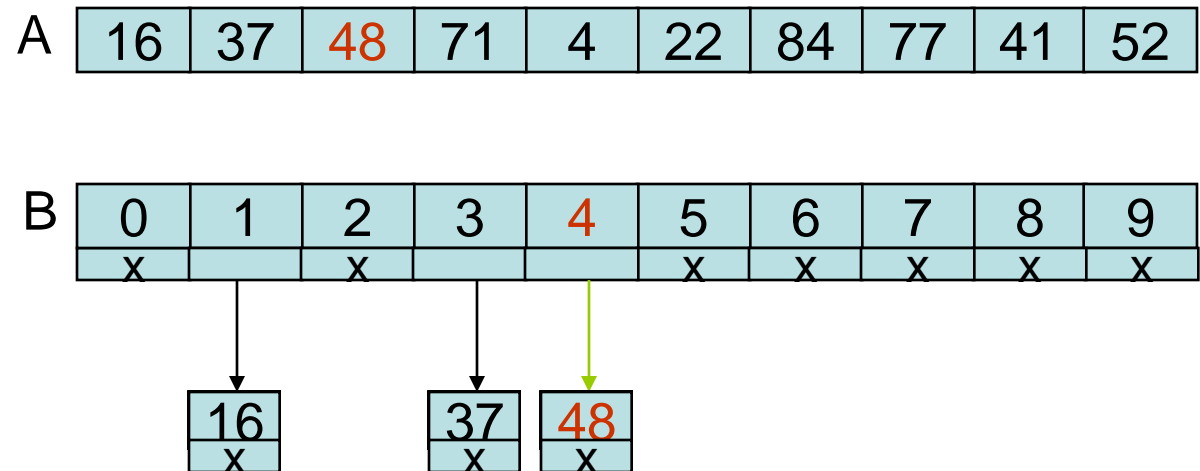
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



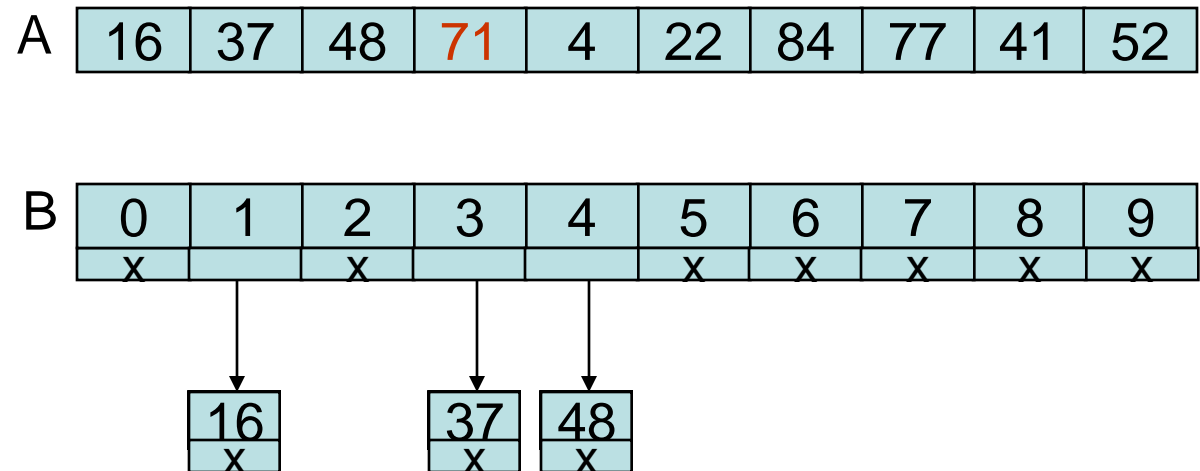
Bucket Sort (D10)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



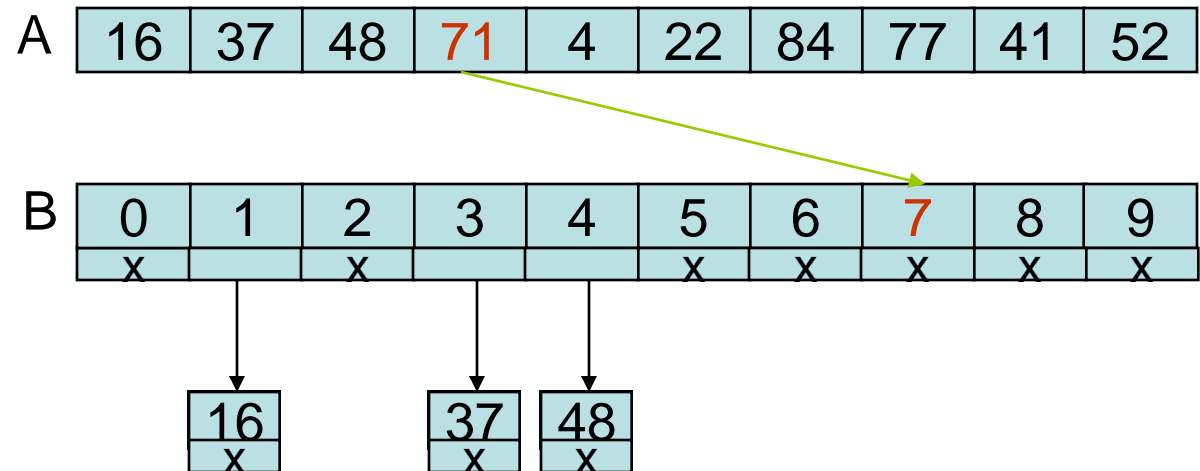
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D12)



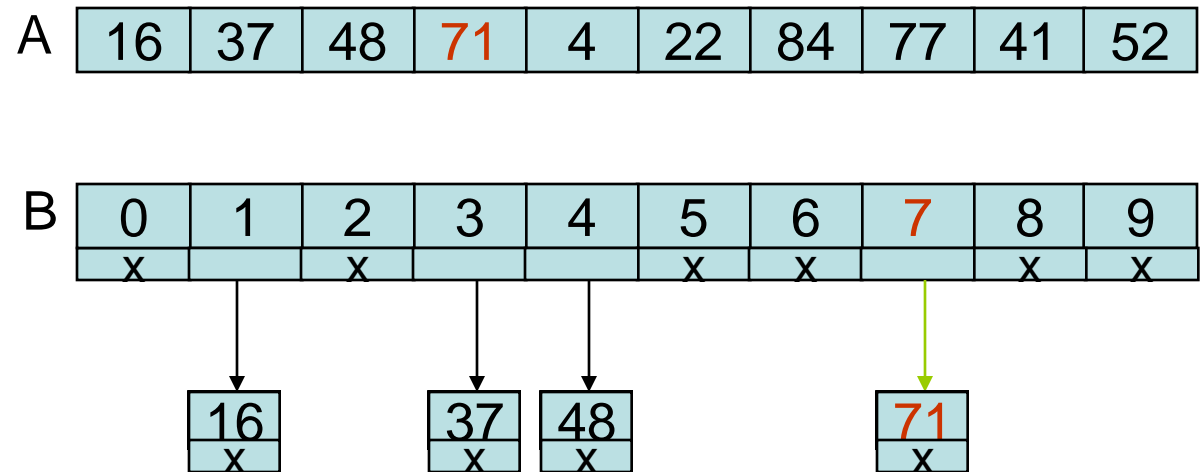
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D13)



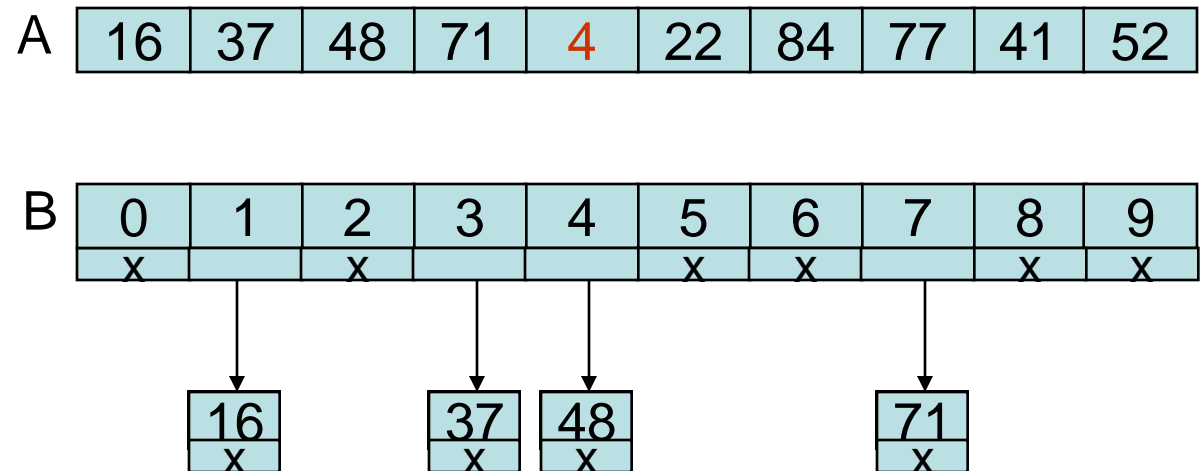
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



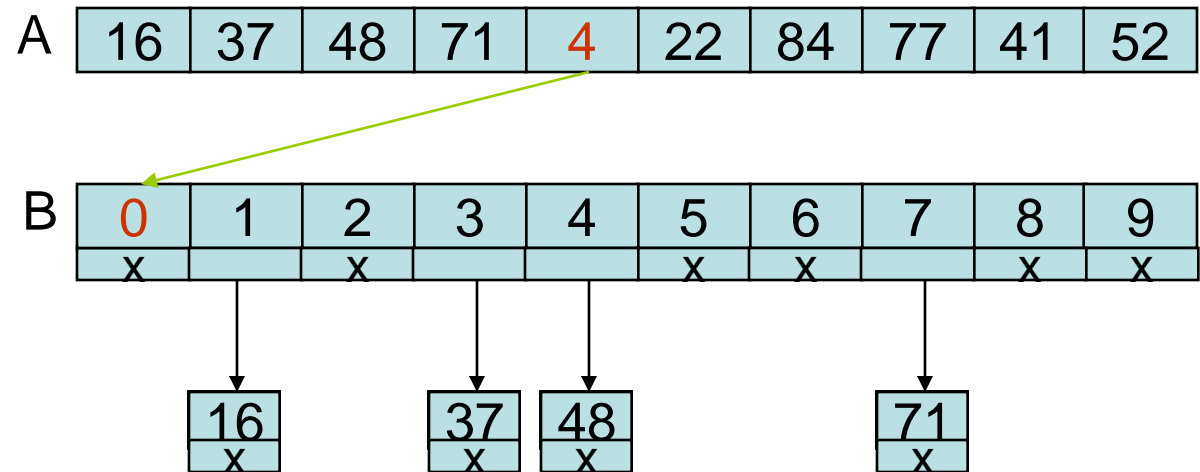
Bucket Sort (D14)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



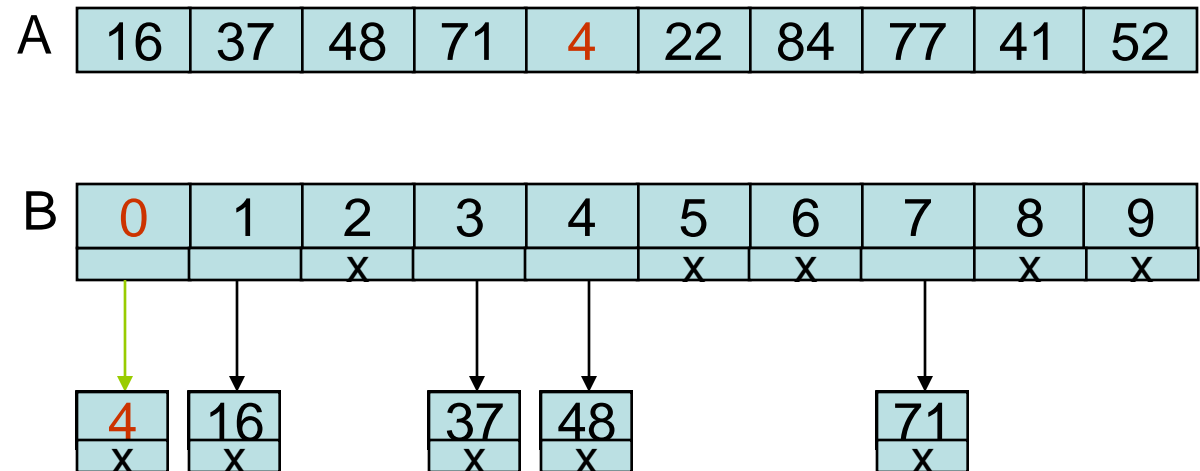
- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in $B[i]$



Bucket Sort (D16)



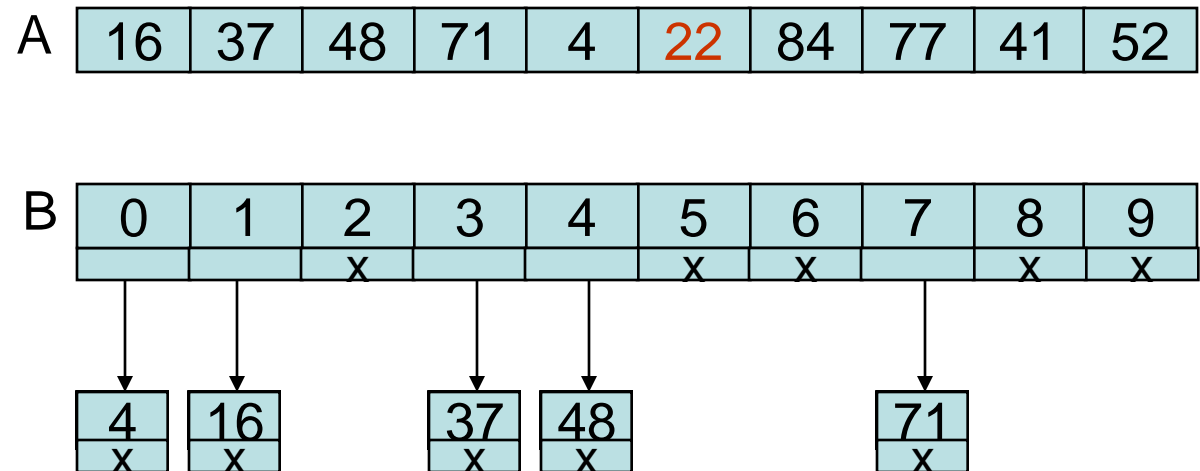
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D17)



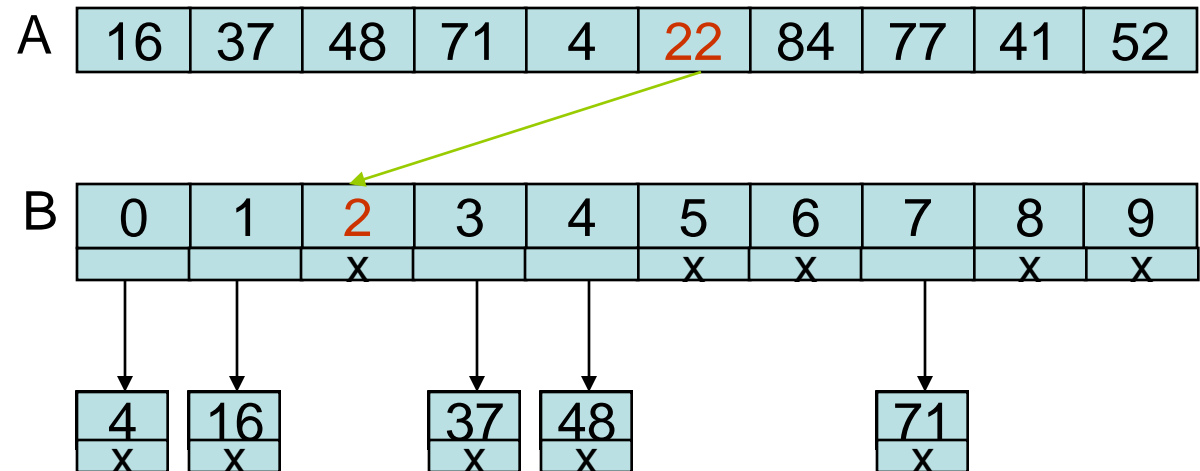
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D18)



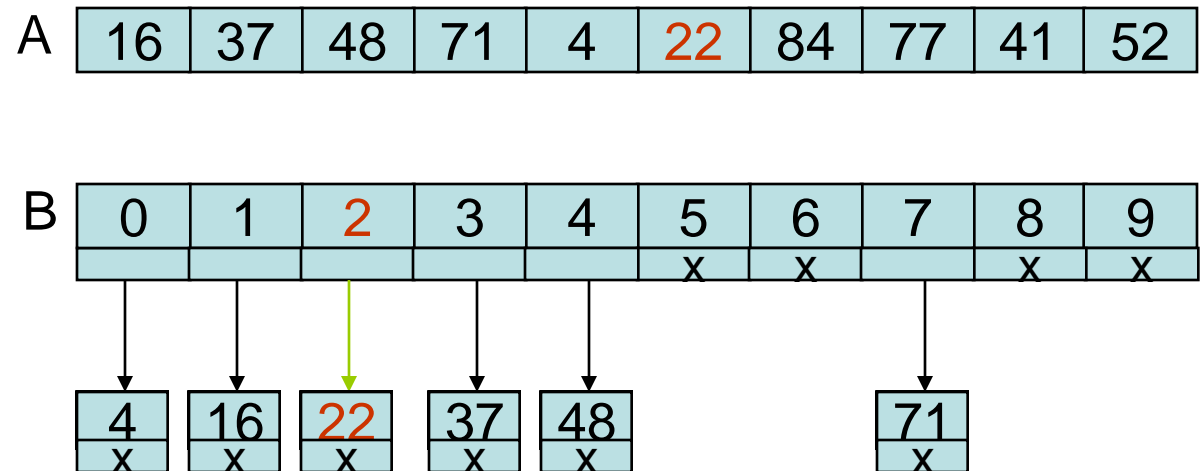
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



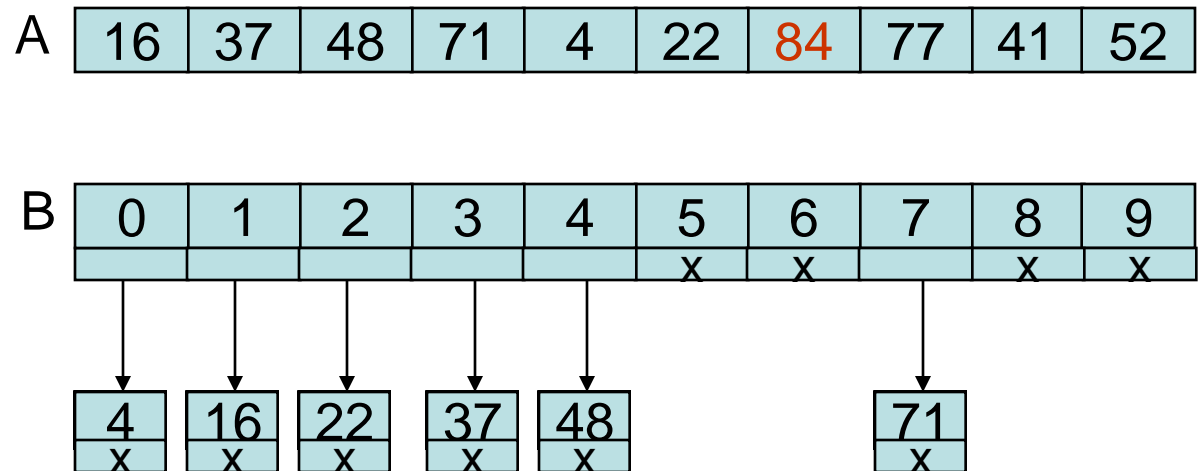
Bucket Sort (D19)



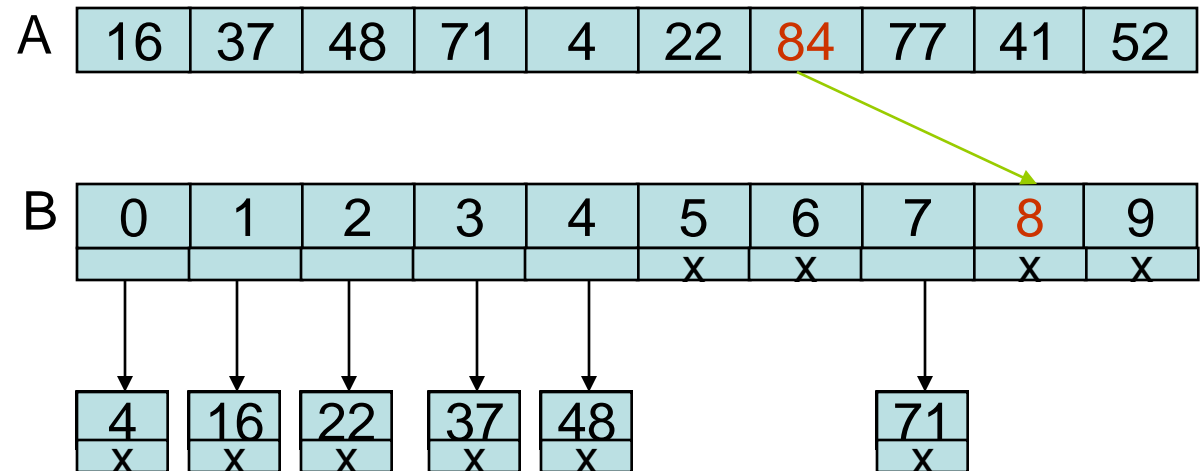
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



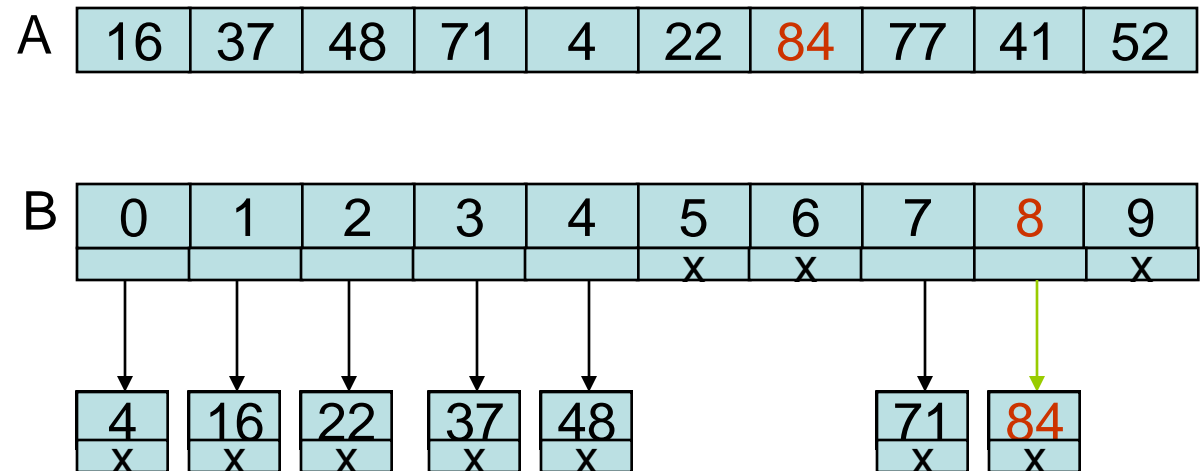
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



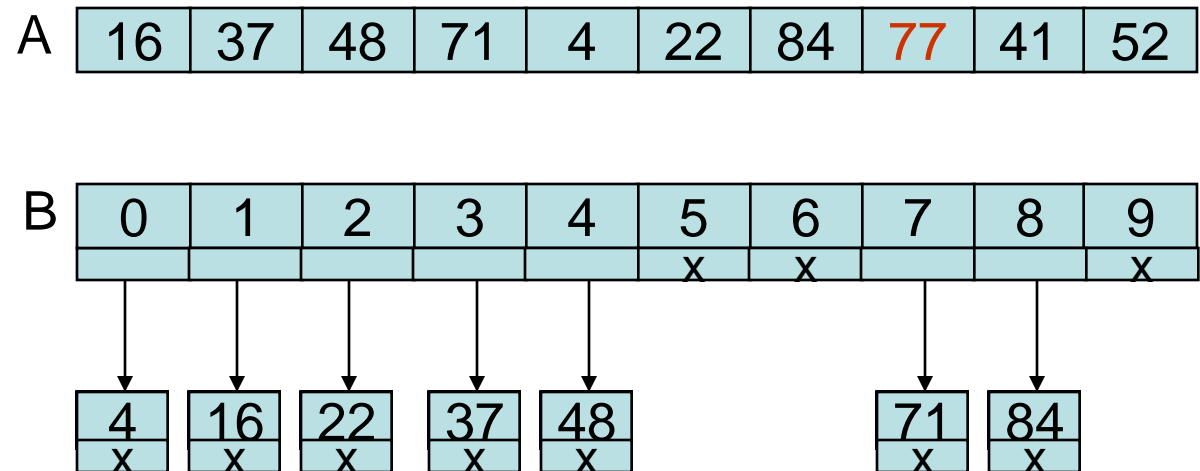
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D23)



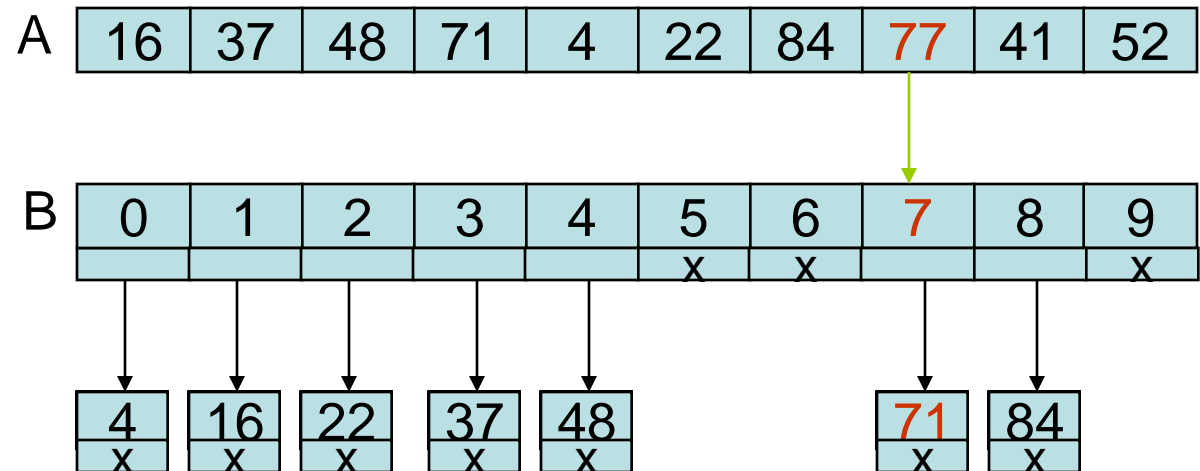
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



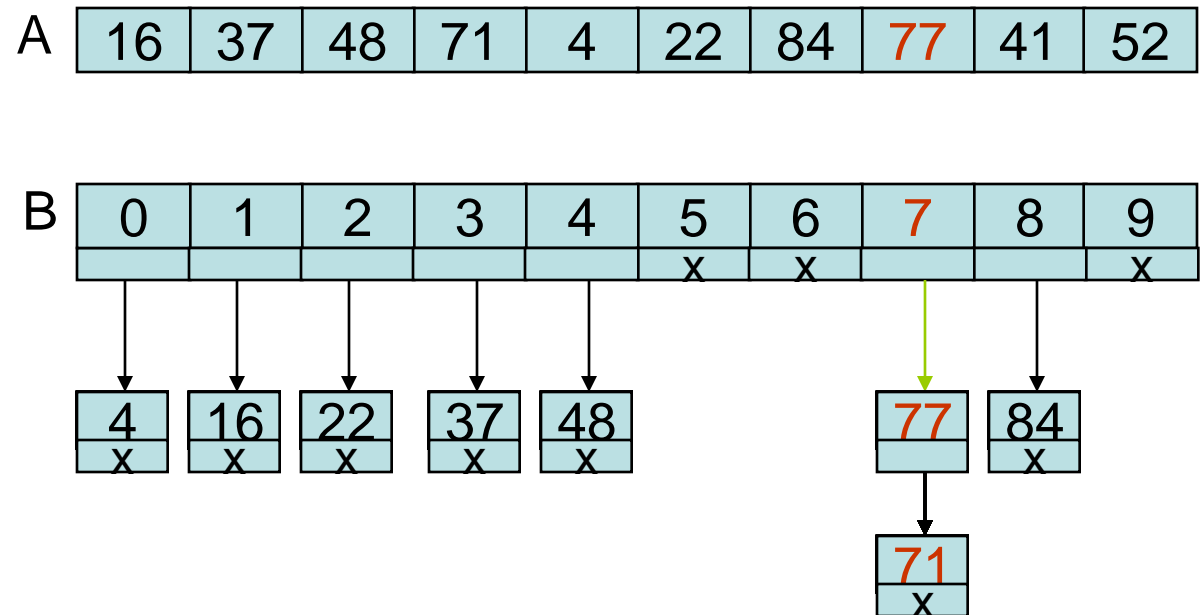
Bucket Sort (D24)



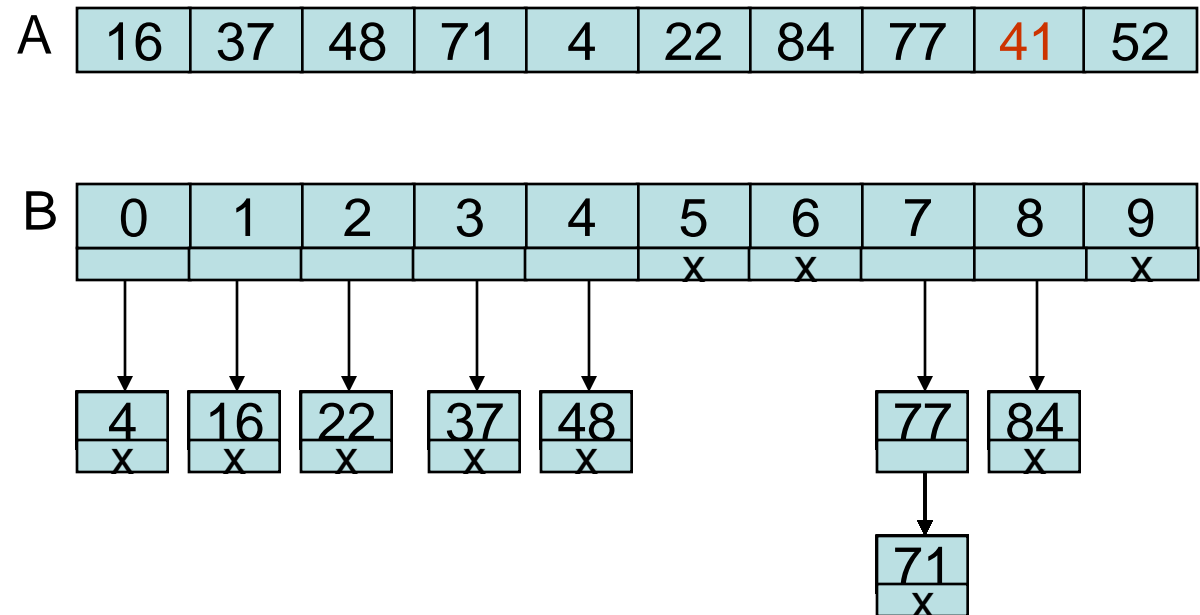
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



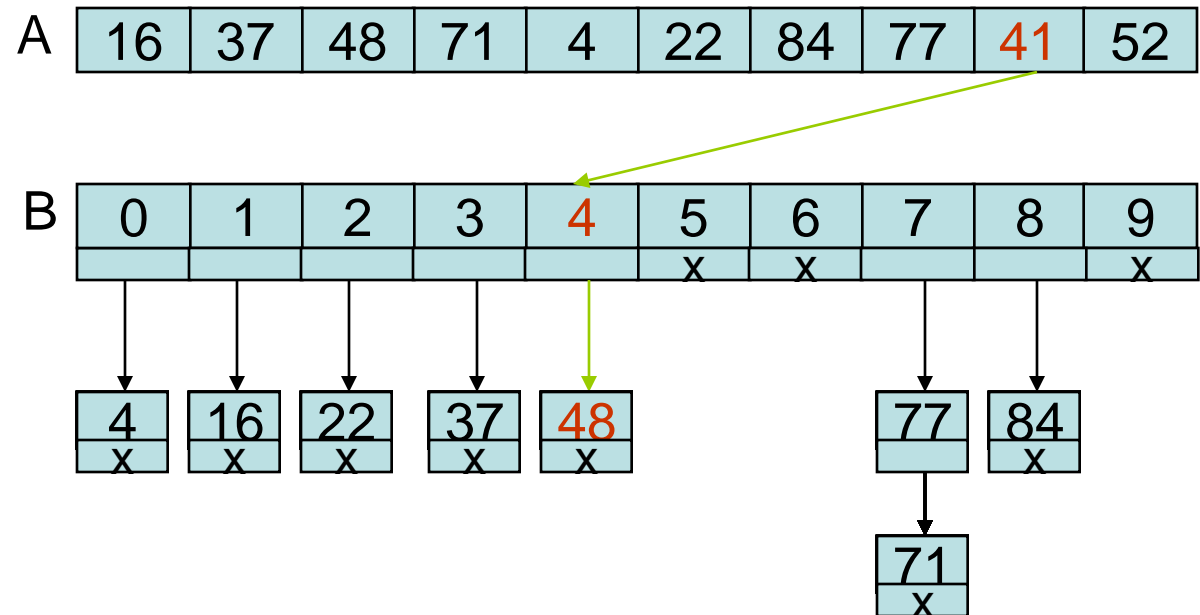
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D27)



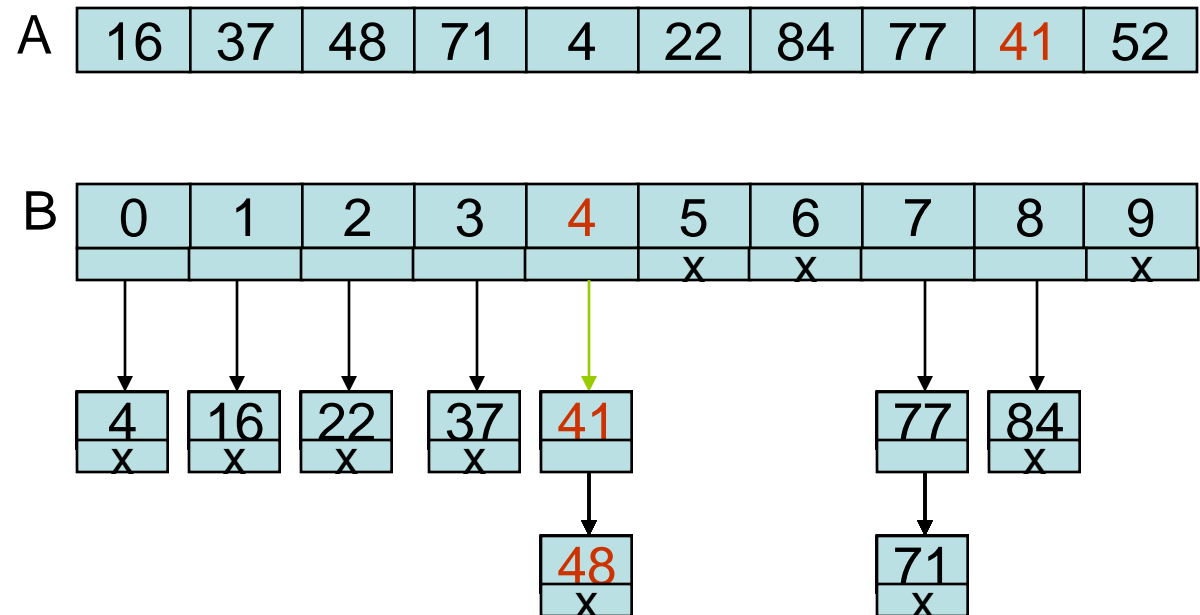
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D28)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



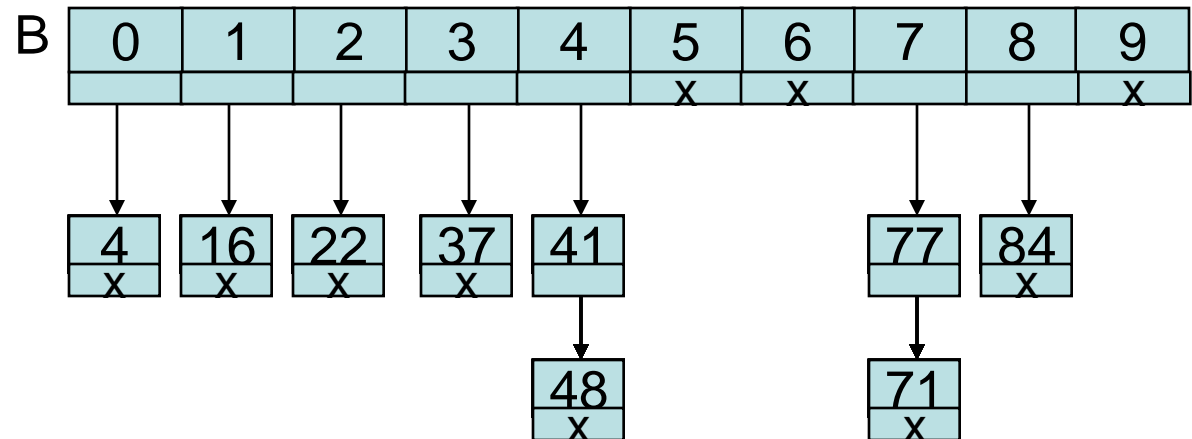
Bucket Sort (D29)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]

A

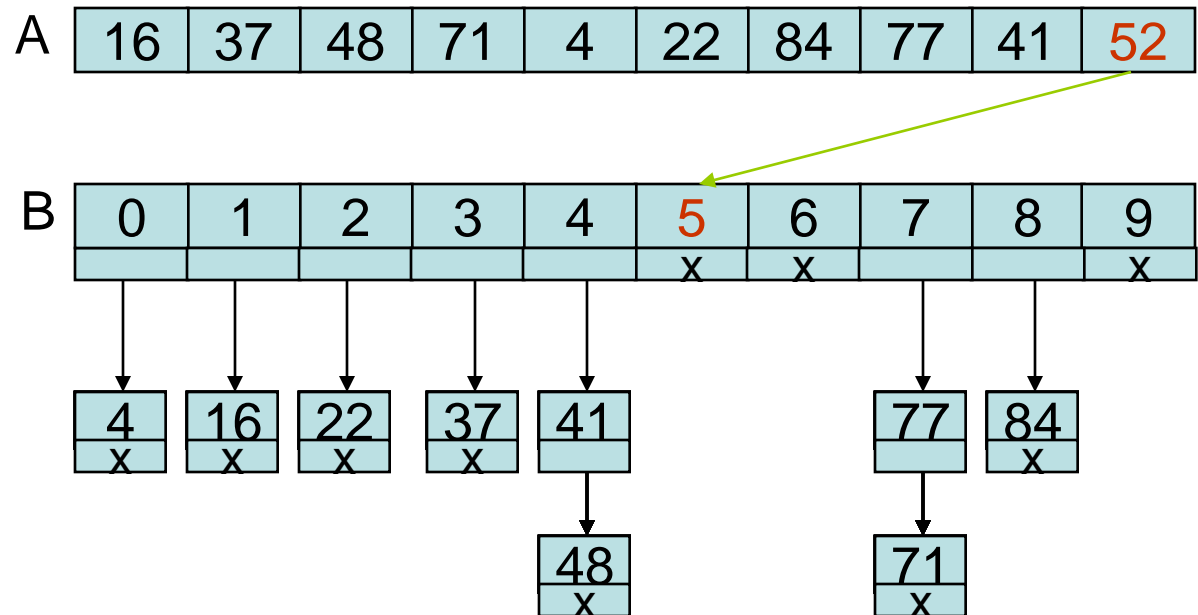
16	37	48	71	4	22	84	77	41	52
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Bucket Sort (D30)



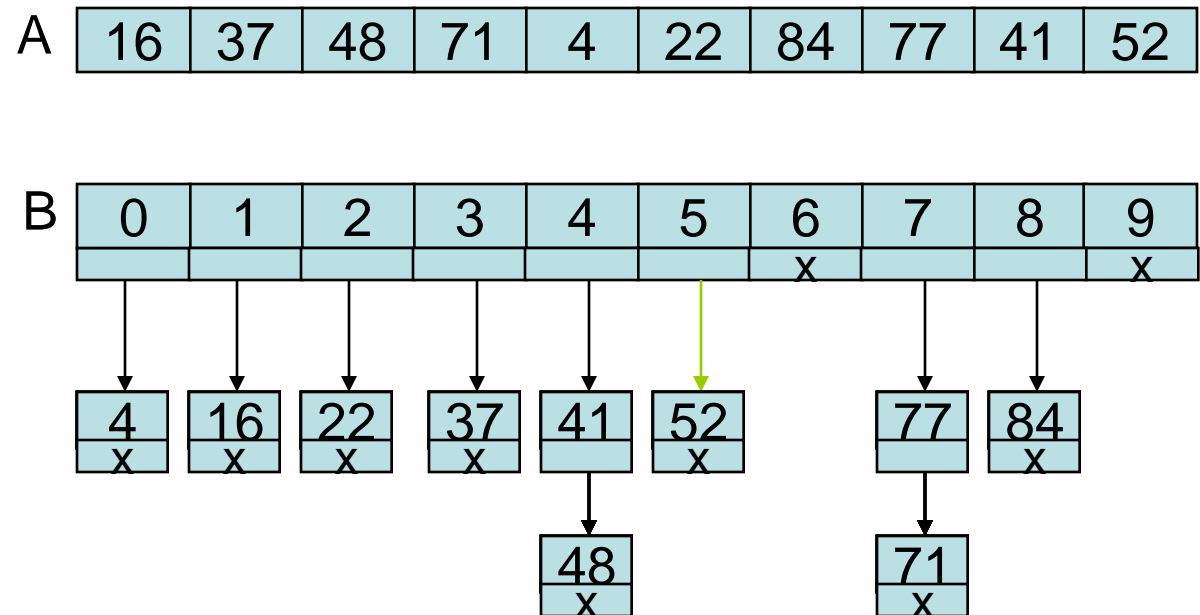
(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D31)



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]



Bucket Sort (D32)



- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]

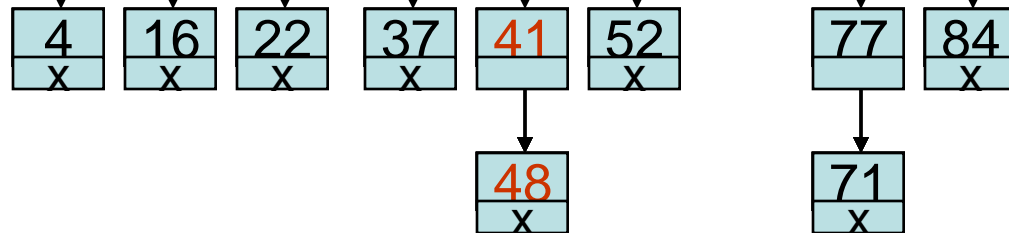
A

16	37	48	71	4	22	84	77	41	52
----	----	----	----	---	----	----	----	----	----

B

0	1	2	3	4	5	6	7	8	9
						x			x

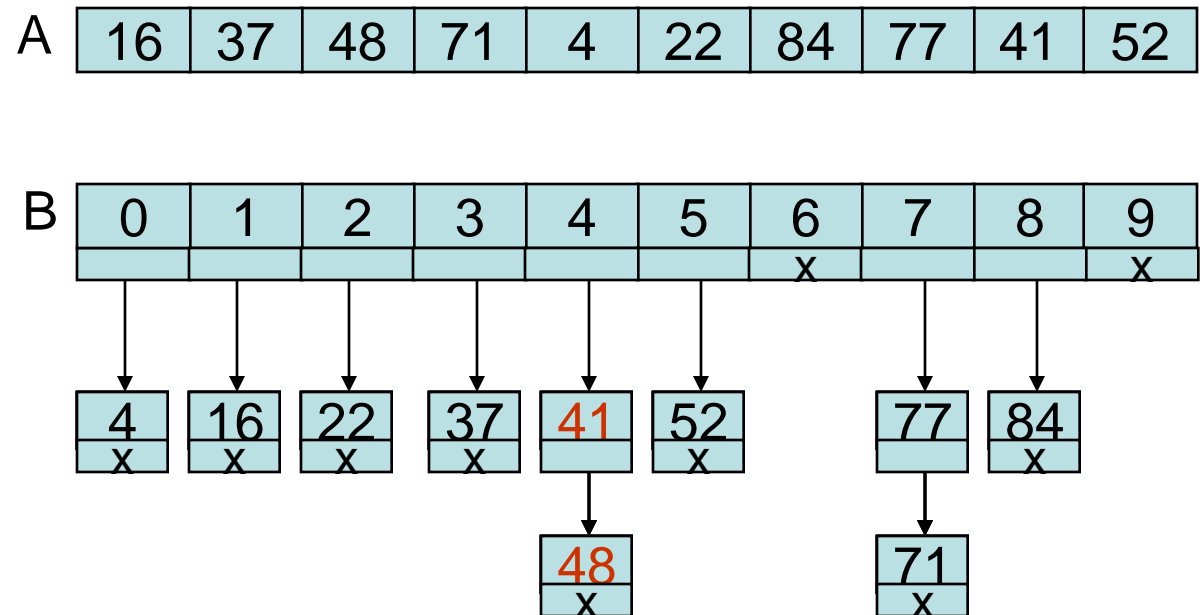
- (4) **Sortiere mittels Insertion Sort die Buckets**



Bucket Sort (D33)



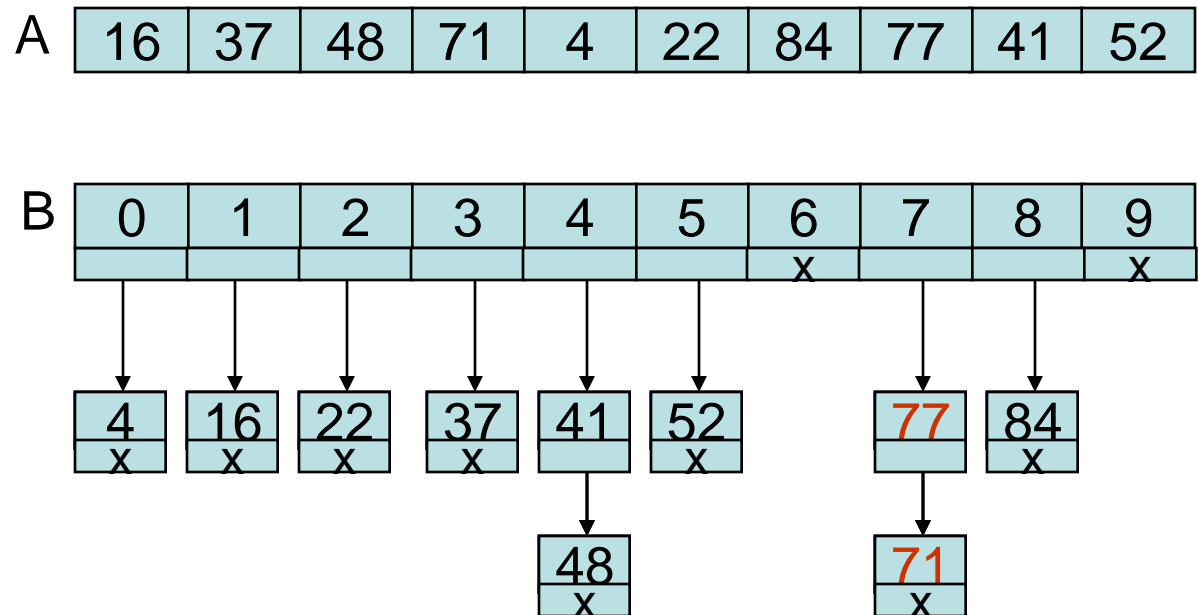
- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]
- (4) **Sortiere mittels
 Insertion Sort die
 Buckets**



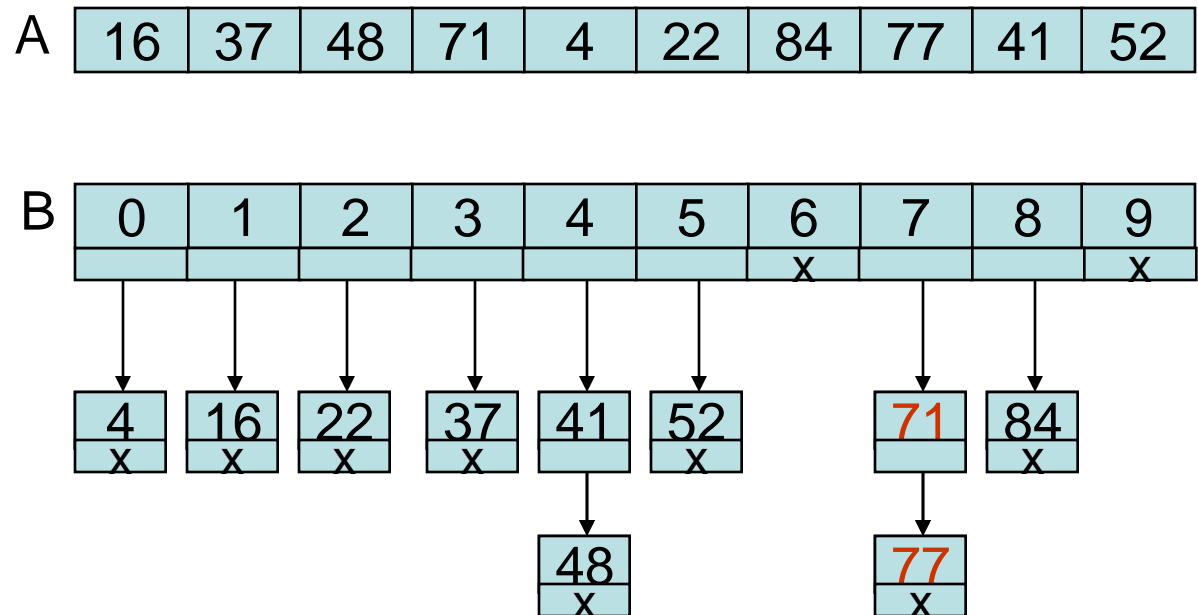
Bucket Sort (D34)



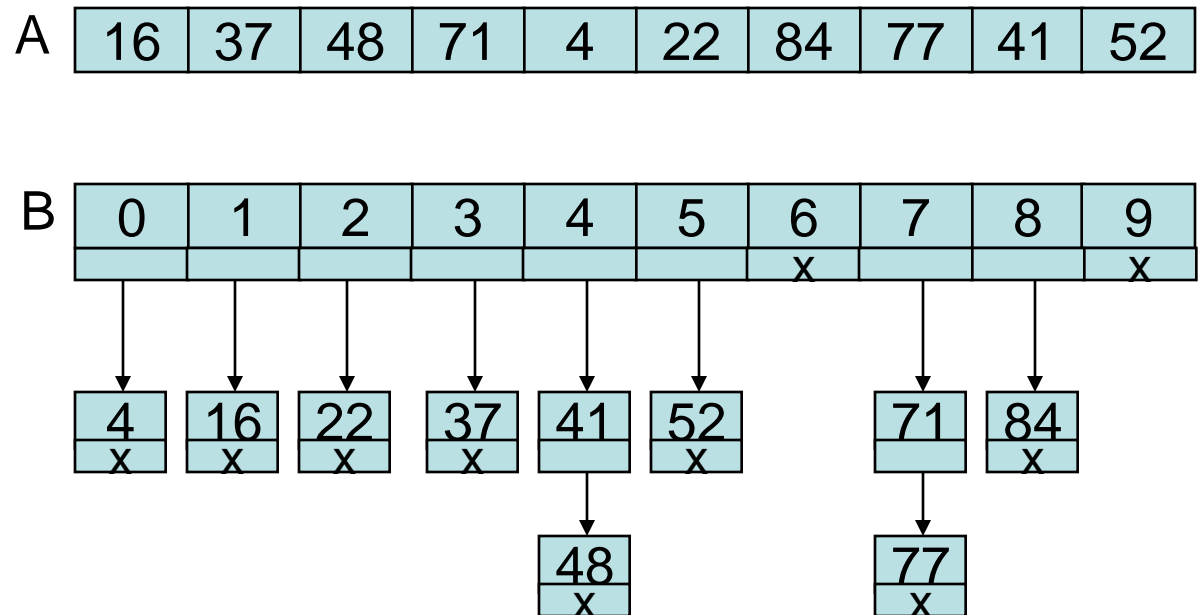
- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]
- (4) **Sortiere mittels
 Insertion Sort die
 Buckets**



(0) Bucket Sort(A)
(1) Initialisiere B[i]
(2) for i=1 to n do
(3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]
(4) **Sortiere mittels
 Insertion Sort die
 Buckets**



- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]
- (4) **Sortiere mittels
 Insertion Sort die
 Buckets**



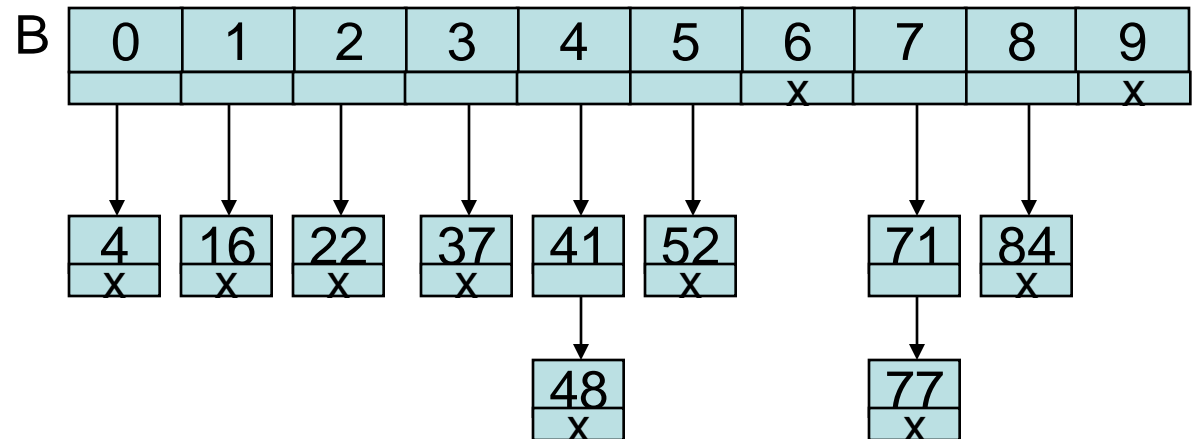
Bucket Sort (D36)



- (0) Bucket Sort(A)
- (1) Initialisiere B[i]
- (2) for i=1 to n do
- (3) Einfügen der Werte
 $B[A[i]/10]$ in B[i]
- (4) Sortiere mittels
 Insertion Sort die
 Buckets
- (5) **"Ausleeren"** der
 Buckets in
 aufsteigender
 Reihenfolge

A

16	37	48	71	4	22	84	77	41	52
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4	16	22	37	41	48	52	71	77	84
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