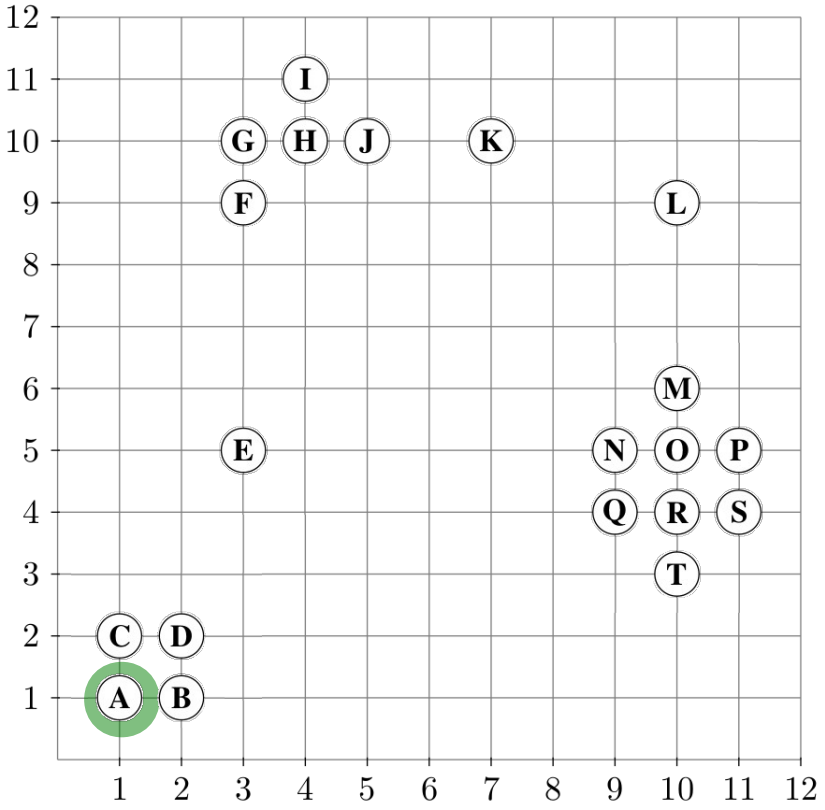


Start: A

A.ClId = Unclassified

ExpandiereCluster (DB, A, 1, 1.1, 3)

Unclassified

A B C D E F G H I J

K L M N O P Q R S T

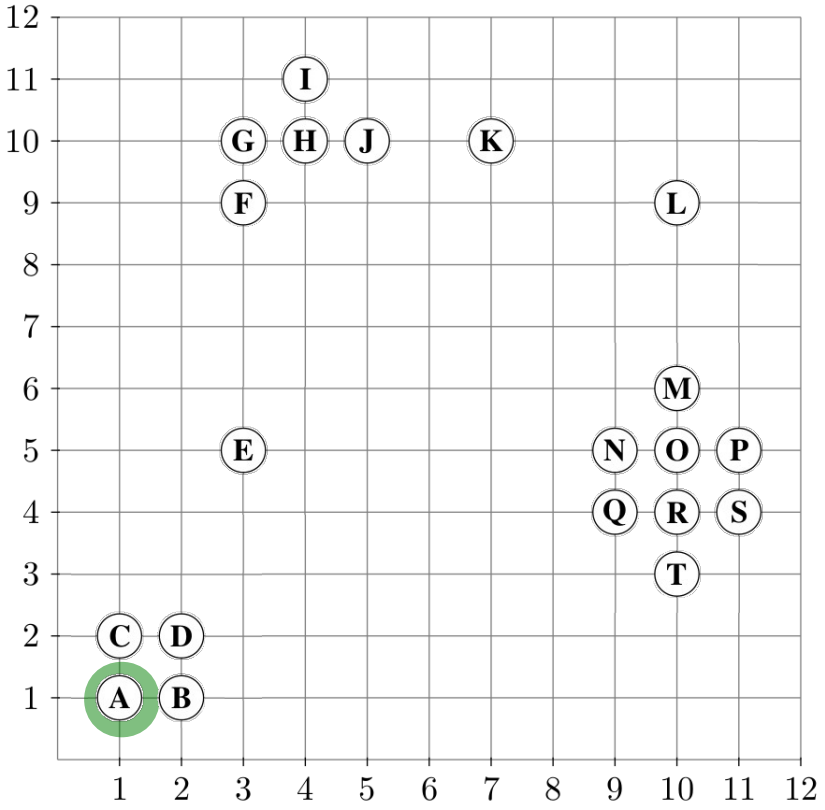
Noise

Seeds

Cluster 1:

Cluster 2:

Cluster 3:



Start: A

Seeds := RQ (A, 1.1)

Unclassified

A B C D E F G H I J K L M N O P Q R S T

Noise

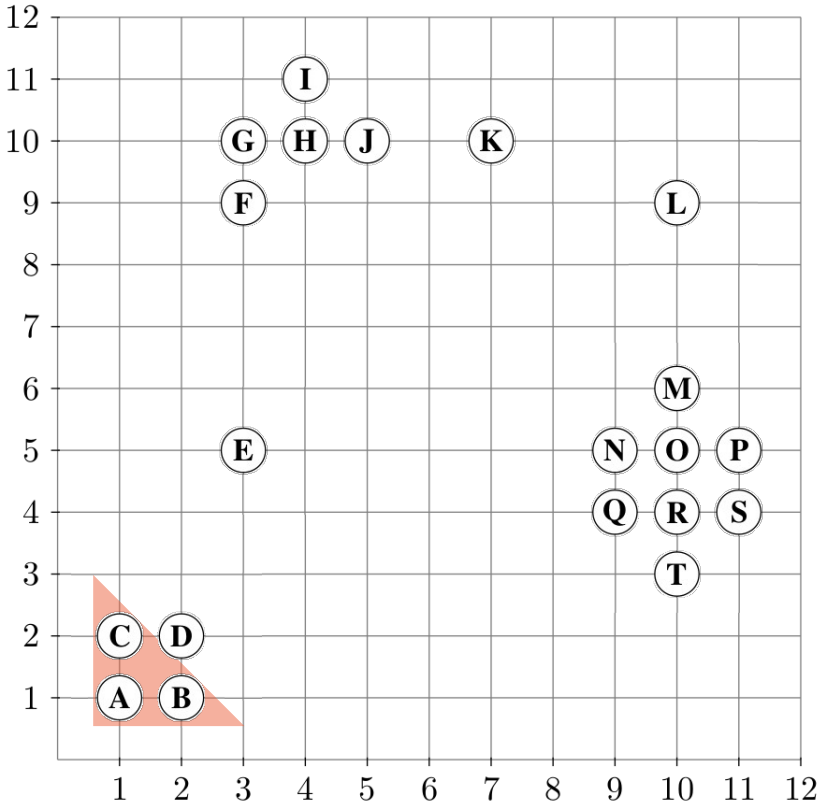
Seeds

A B C

Cluster 1:

Cluster 2:

Cluster 3:



Cluster: A B C

Forall o in Seeds: o.ClId := ClusterId
Entferne Startobjekt aus Seeds

Unclassified

D E F G H I J

K L M N O P Q R S T

Noise

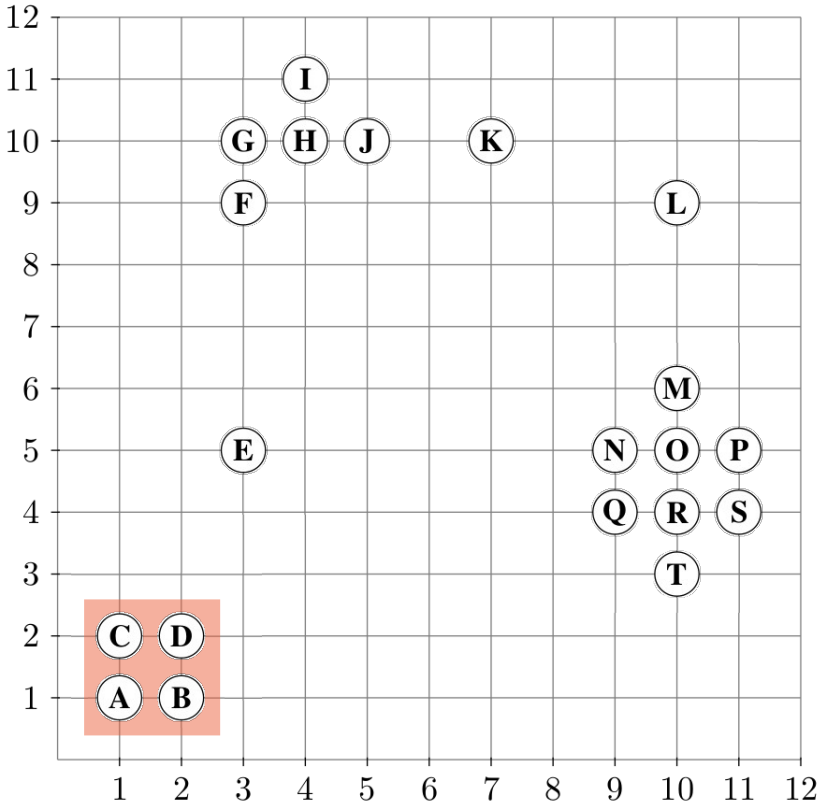
Seeds

B C

Cluster 1: A, B, C

Cluster 2:

Cluster 3:



Punkt: B

While Seeds != empty do
RQ (B, 1.1) = {A, B, D}

A.ClId = 1. fertig
B.ClId = 1. fertig
D.ClId = Unclassified →
Seeds += D
D.ClId = 1

Entferne B aus Seeds

Unclassified

E F G H I J
K L M N O P Q R S T

Noise

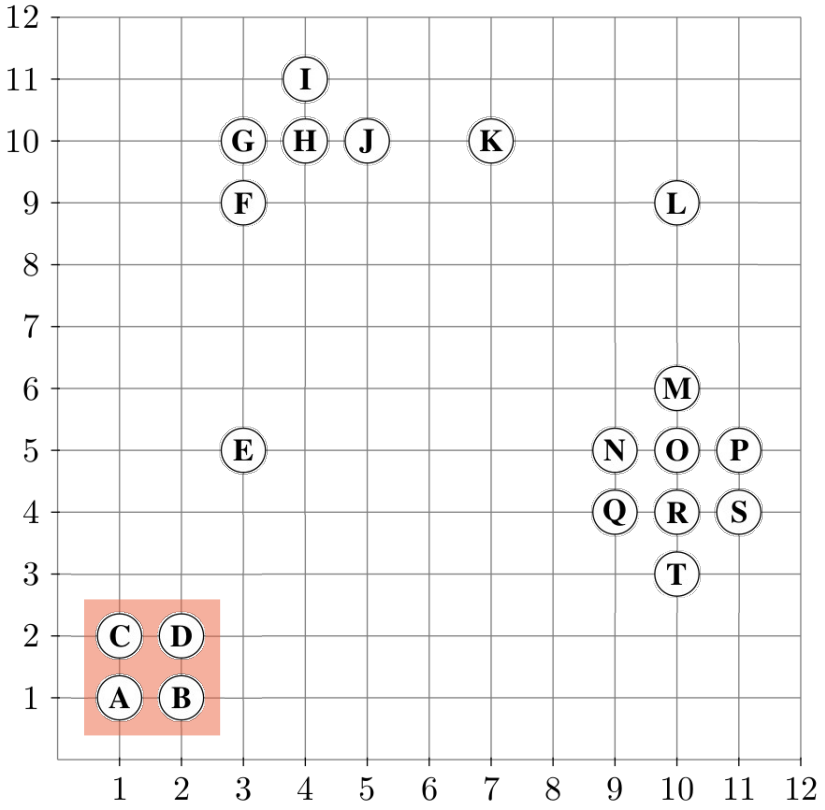
Seeds

C D

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Punkt: C

While Seeds != empty do
RQ (C, 1.1) = {A, C, D}

A.ClId = 1. fertig
C.ClId = 1. fertig
D.ClId = 1. fertig

Entferne C aus Seeds

Unclassified

E F G H I J

K L M N O P Q R S T

Noise

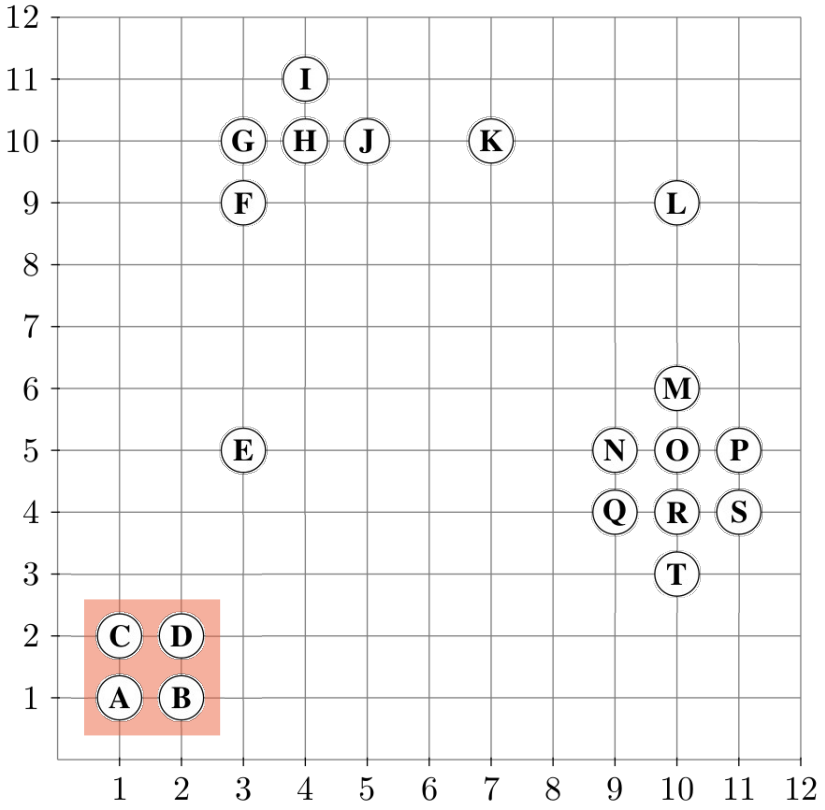
Seeds

D

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Punkt: (D)

While Seeds != empty do
RQ (D, 1.1) = {B, C, D}

B.ClId = 1. fertig
C.ClId = 1. fertig
D.ClId = 1. fertig

Entferne D aus Seeds

Unclassified

E F G H I J
K L M N O P Q R S T

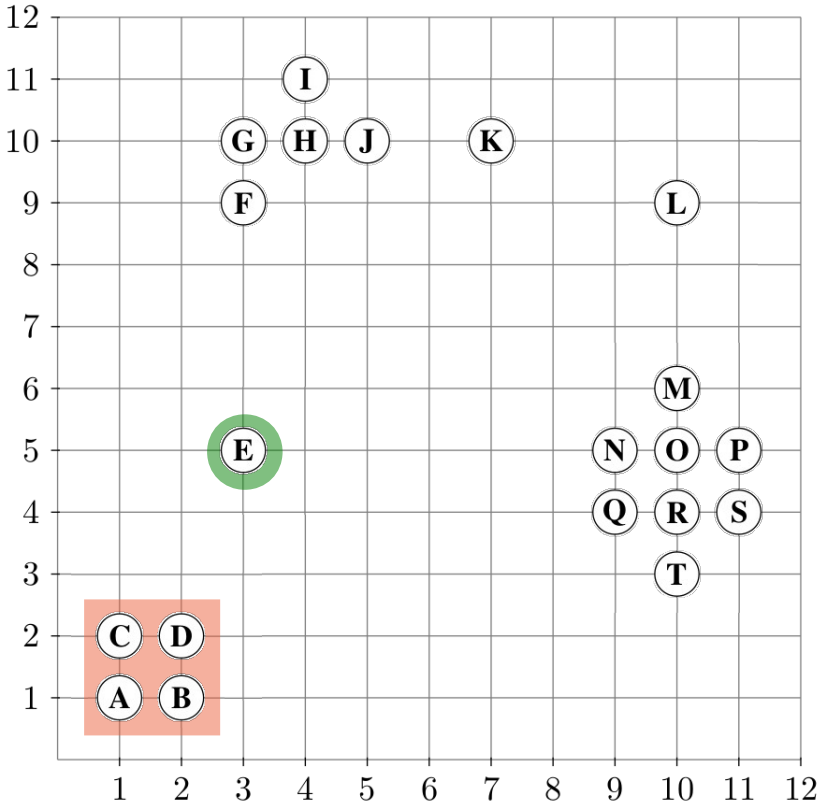
Noise

Seeds

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Start: E

Unclassified

F G H I J

K L M N O P Q R S T

Noise

E

Seeds

E

E.ClId = Unclassified

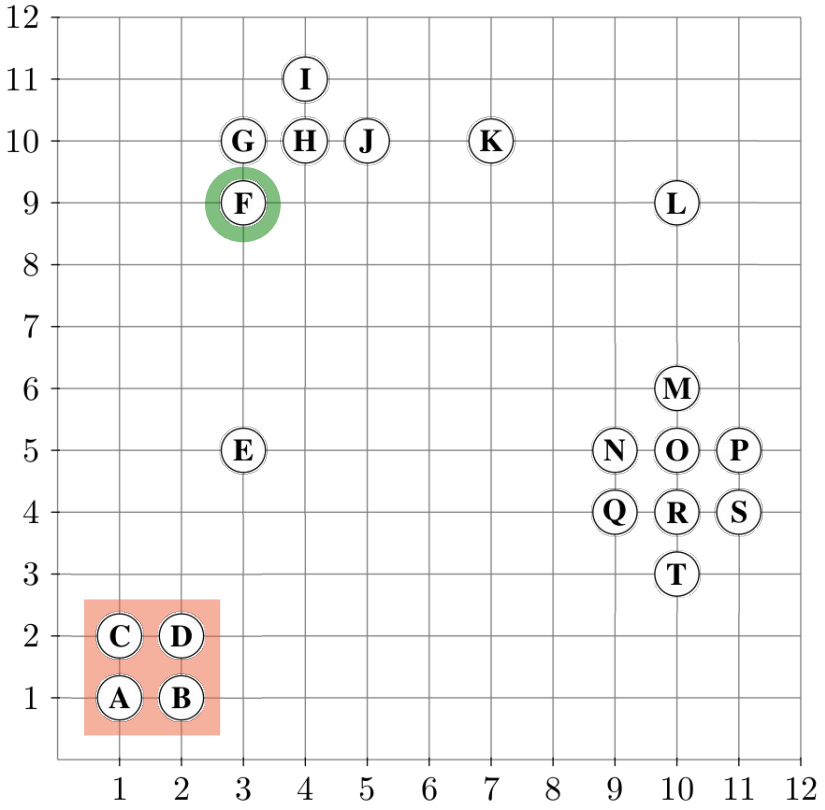
ExpandiereCluster (DB, E, 2, 1.1, 3) = false

E.ClId := Noise

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Start: F

F.ClId = Unclassified

ExpandiereCluster (DB, F, 2, 1.1, 3)
RQ (F, 1.1) = {F,G} → false

F.ClId := Noise

Unclassified

G H I J

K L M N O P Q R S T

Noise

E F

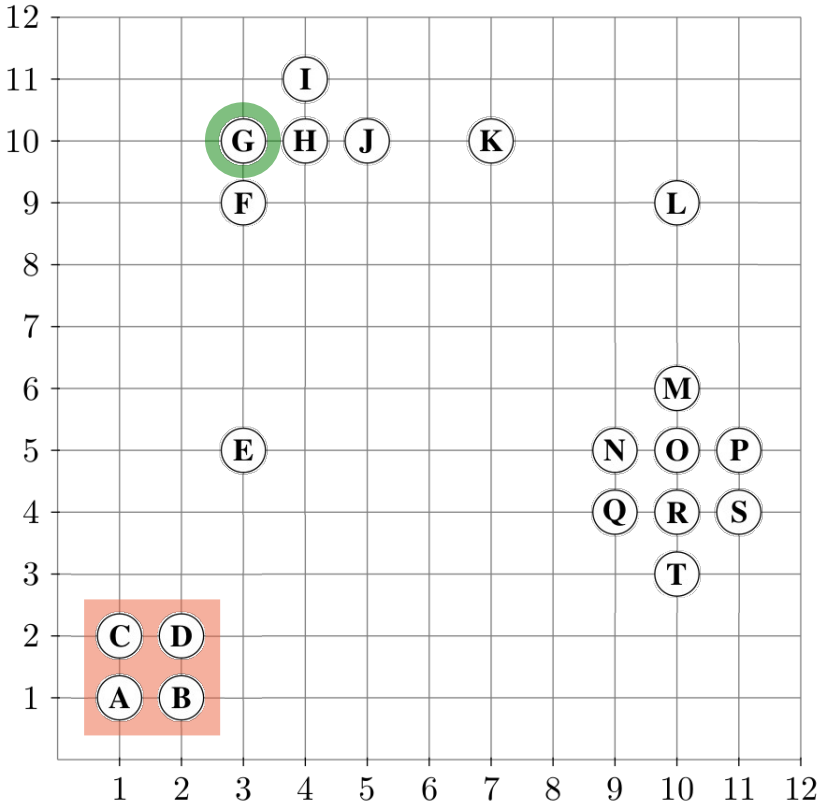
Seeds

F G

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Start: G

G.ClId = Unclassified

ExpandiereCluster (DB, G, 2, 1.1, 3)
RQ (G, 1.1) = {F,G,H}

Unclassified

G H I J

K L M N O P Q R S T

Noise

E F

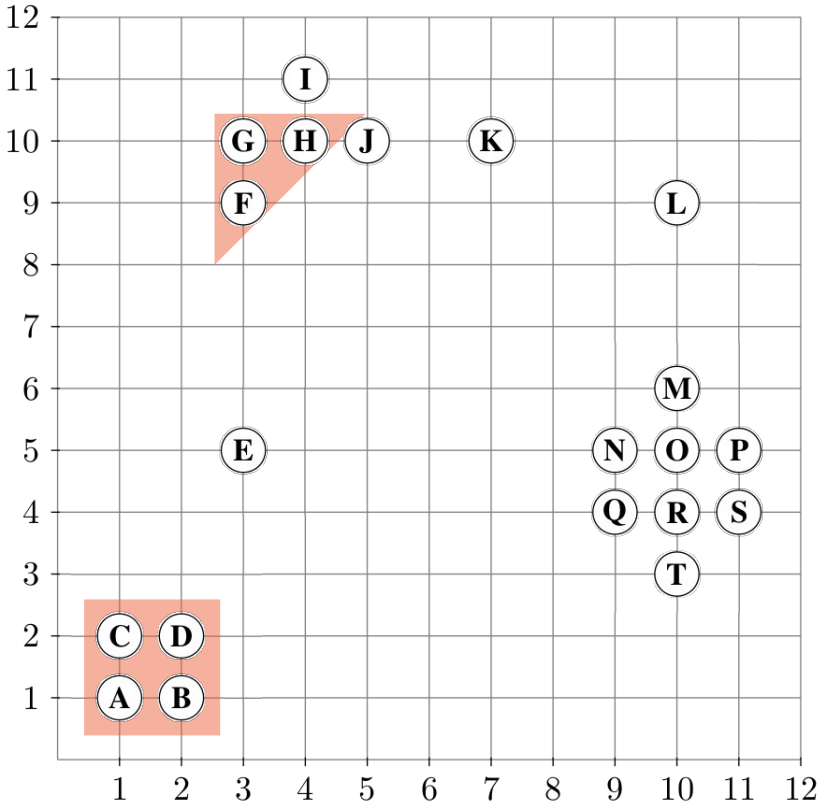
Seeds

F G H

Cluster 1: A, B, C, D

Cluster 2:

Cluster 3:



Cluster: F G H

Forall o in Seeds:
o.ClId := ClusterId
Entferne G aus Seeds

Unclassified

I J

K L M N O P Q R S T

Noise

E

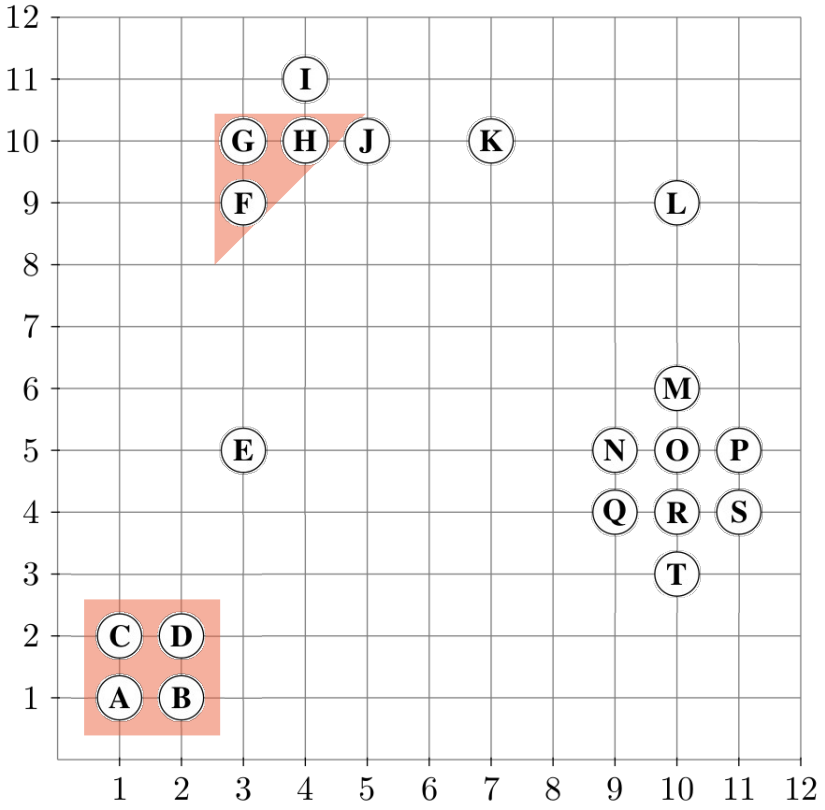
Seeds

F H

Cluster 1: A, B, C, D

Cluster 2: F, G, H

Cluster 3:



Punkt: F

While Seeds != empty do
RQ (F, 1.1) = {F, G}

F.ClId = 2. fertig
G.ClId = 2. fertig

Entferne F aus Seeds

Unclassified

I J

K L M N O P Q R S T

Noise

E

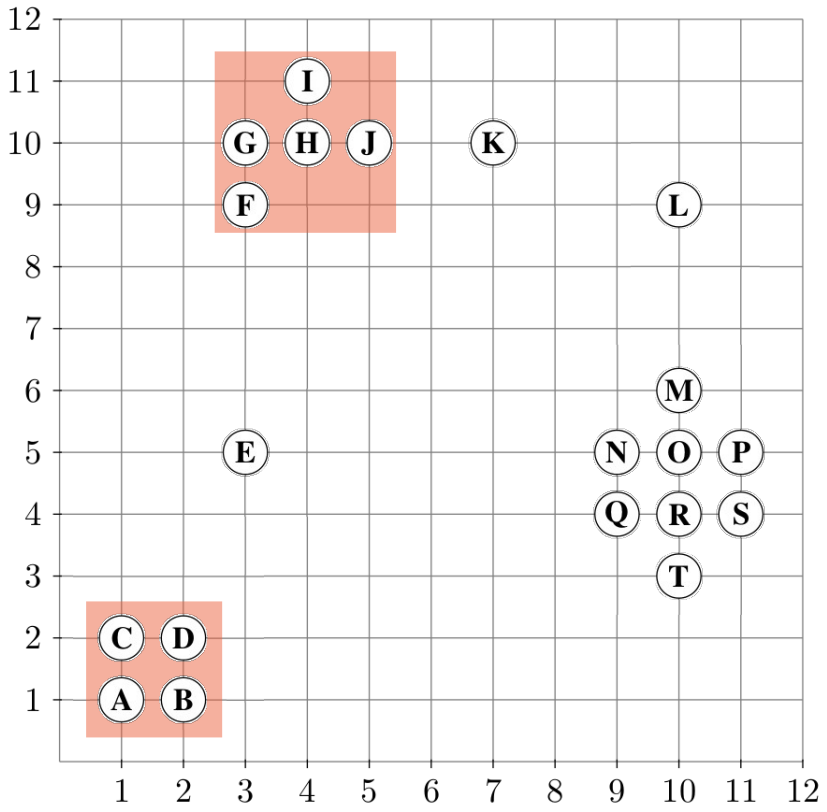
Seeds

H

Cluster 1: A, B, C, D

Cluster 2: F, G, H

Cluster 3:



Punkt: H

While Seeds != empty do
RQ (H, 1.1) = {G, H, I, J}

G.ClId = 2. fertig
H.ClId = 2. fertig
I.ClId = Unclassified → Seeds += I
J.ClId = Unclassified → Seeds += J
I.ClId := J.ClId := 2

Entferne H aus Seeds

Unclassified

K L M N O P Q R S T

Noise

E

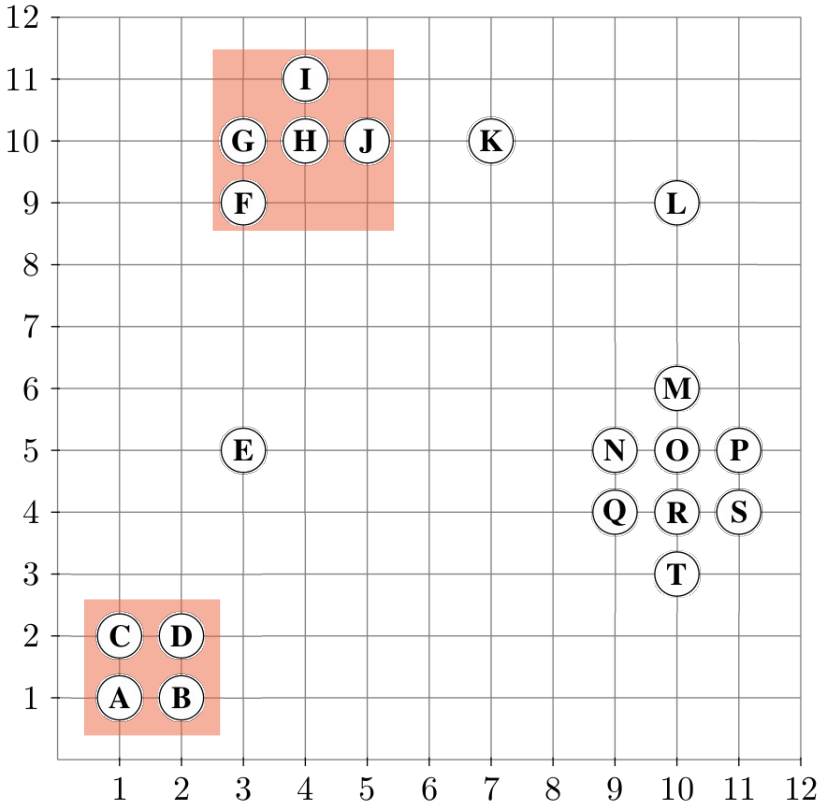
Seeds

I J

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Punkt: I

While Seeds != empty do
RQ (I, 1.1) = {H, I}

H.ClId = 2. fertig
I.ClId = 2. fertig

Entferne I aus Seeds

Unclassified

K L M N O P Q R S T

Noise

E

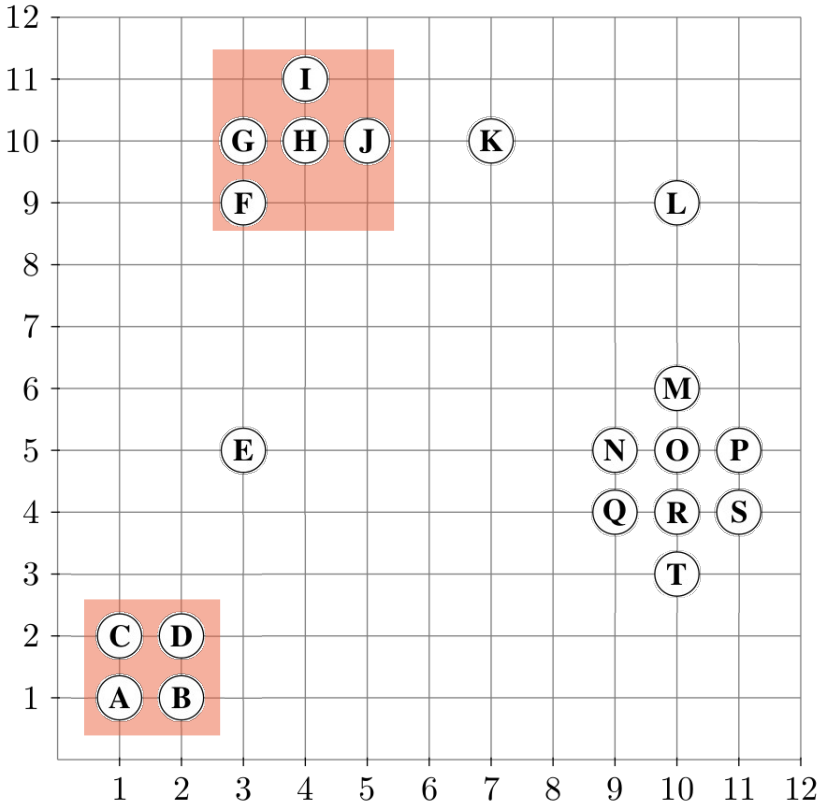
Seeds

J

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Punkt: J

While Seeds != empty do
RQ (J, 1.1) = {H, J}

H.ClId = 2. fertig
J.ClId = 2. fertig

Entferne J aus Seeds

Unclassified

K L M N O P Q R S T

Noise

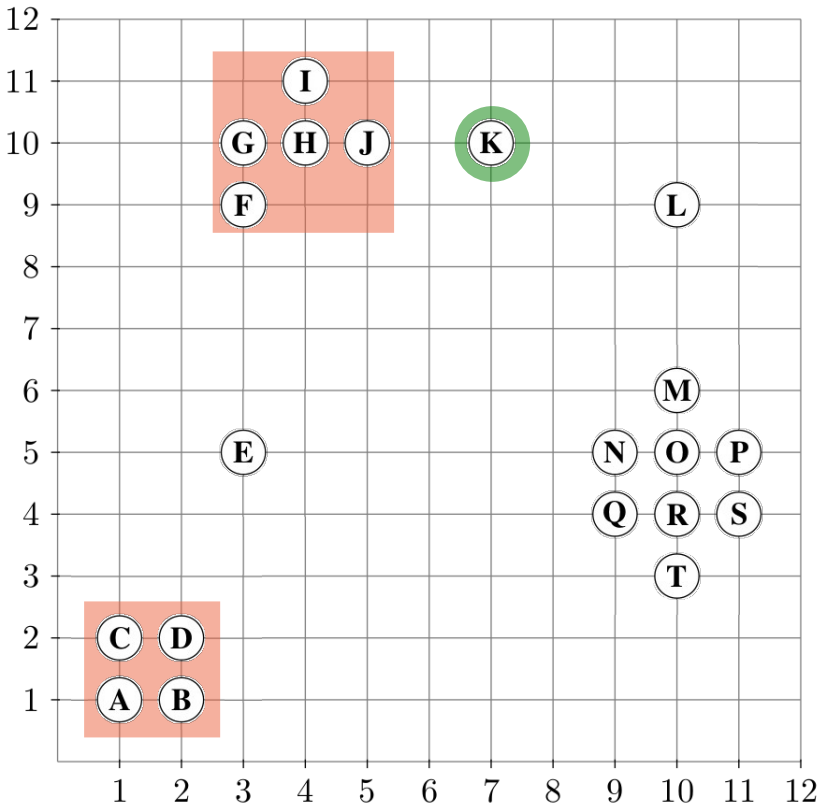
E

Seeds

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Start: K

K.ClId = Unclassified

ExpandiereCluster (DB, K, 3, 1.1, 3) = false

K.ClId := Noise

Unclassified

L M N O P Q R S T

Noise

E K

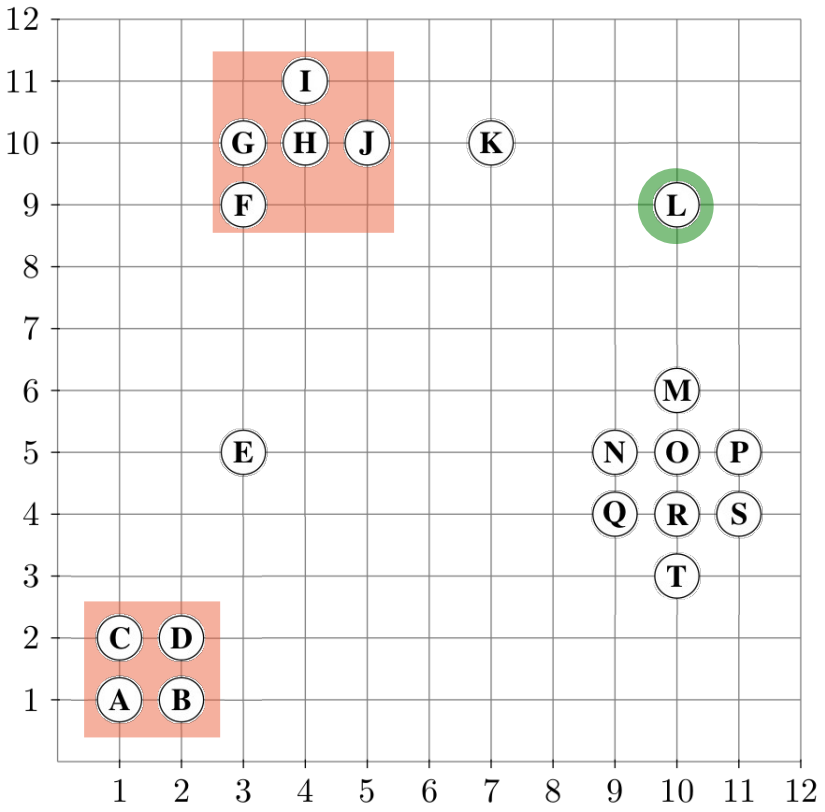
Seeds

K

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Start: L

L.ClId = Unclassified

ExpandiereCluster (DB, L, 3, 1.1, 3) = false

L.ClId := Noise

Unclassified

M N O P Q R S T

Noise

E K L

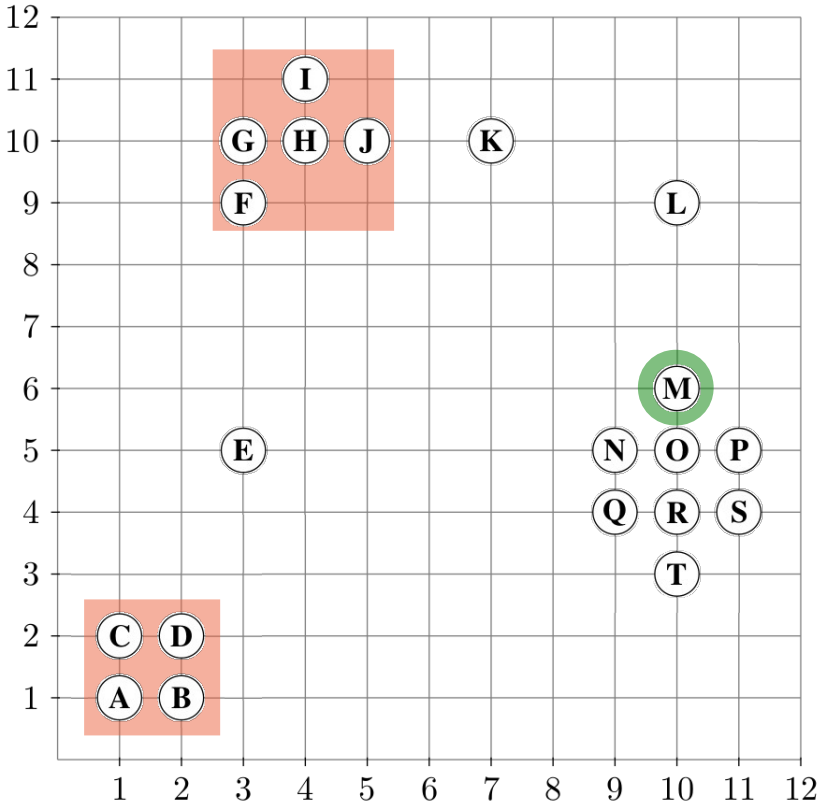
Seeds

L

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Start: M

M.ClId = Unclassified

ExpandiereCluster (DB, M, 3, 1.1, 3)
RQ (M, 1.1) = {M, O} → false

M.ClId := Noise

Unclassified

N O P Q R S T

Noise

E K L M

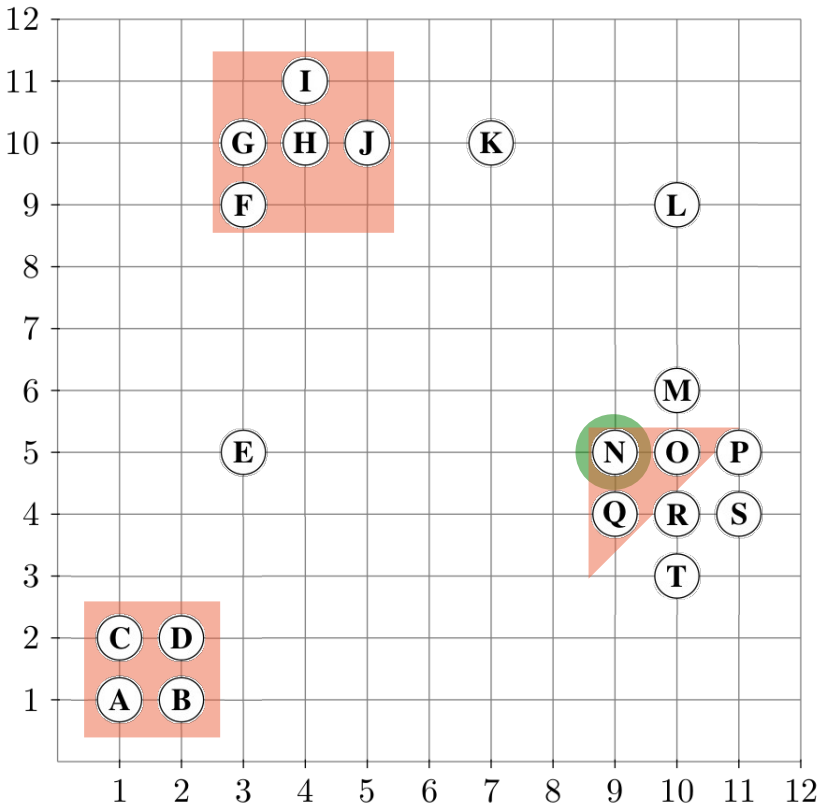
Seeds

M O

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3:



Start: N Cluster: N O Q

N.ClId = Unclassified

ExpandiereCluster (DB, N, 3, 1.1, 3)
RQ (M, 1.1) = {N, O, Q}

Forall o in Seeds:
o.ClId := ClusterId
Entferne N aus Seeds

Unclassified

P R S T

Noise

E K L M

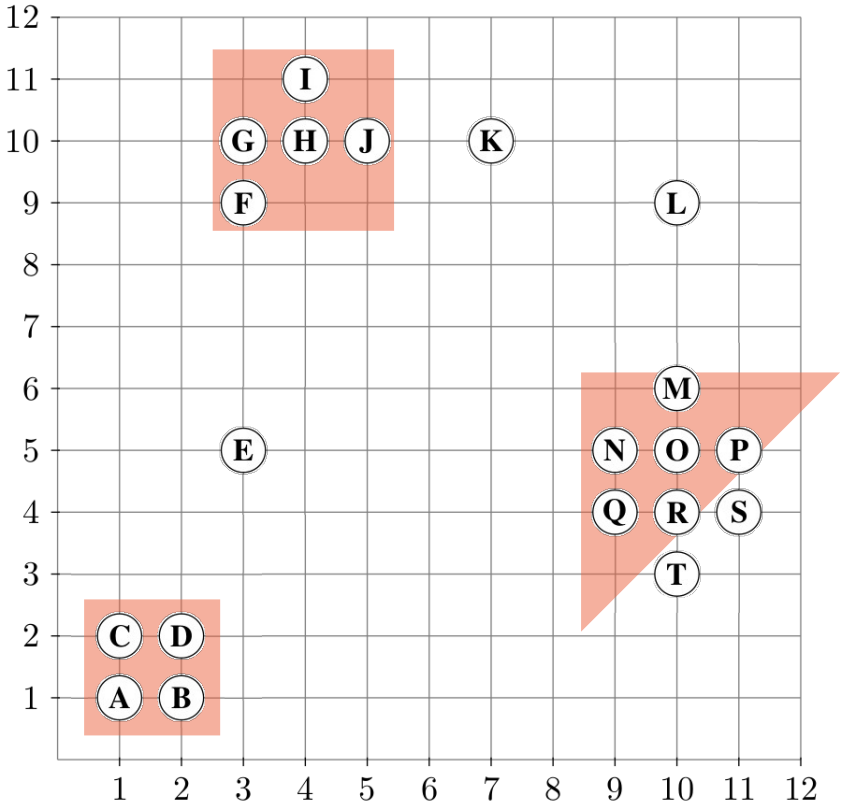
Seeds

O Q

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: N, O, Q



Unclassified

S T

Noise

E K L

Seeds

P Q R

Punkt: O

While Seeds != empty do
RQ (O, 1.1) = {M, N, O, P, R}

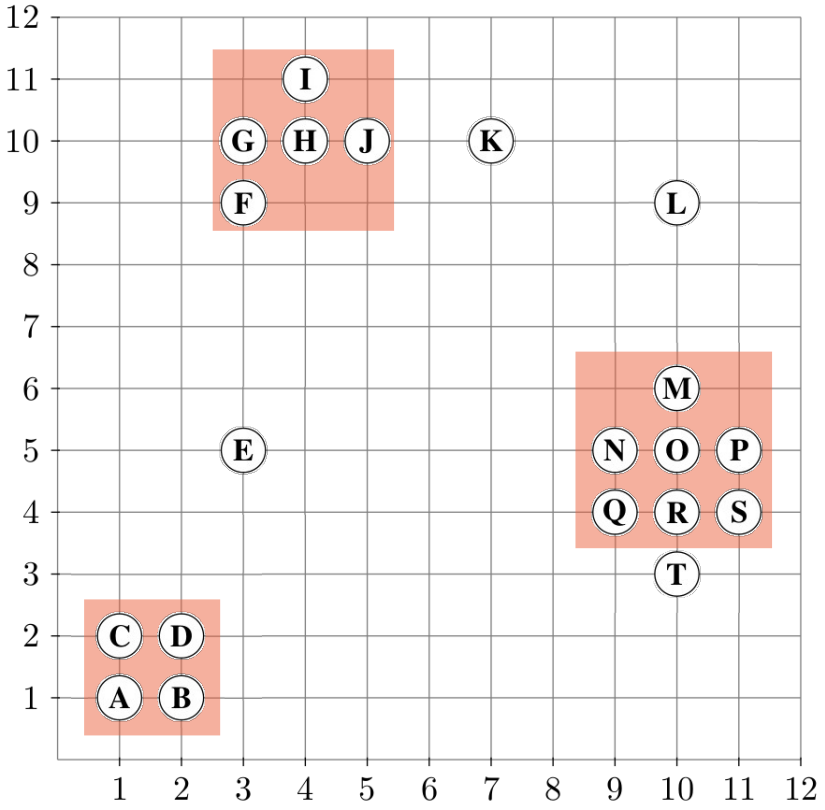
M.ClId = Noise → M.ClId := 3
N. ClId = 3. fertig
O.ClId = 3. fertig
P.ClId = Unclassified → Seeds += P, P.ClId := 3
R.ClId = Unclassified → Seeds += R, R.ClId := 3

Entferne O aus Seeds

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R



Punkt: P

While Seeds != empty do
RQ (P, 1.1) = {O, P, S}

O.ClId = 3. fertig
P. ClId = 3. fertig
S.ClId = Unclassified → Seeds += S, S.ClId := 3

Entferne P aus Seeds

Unclassified

T

Noise

E K L

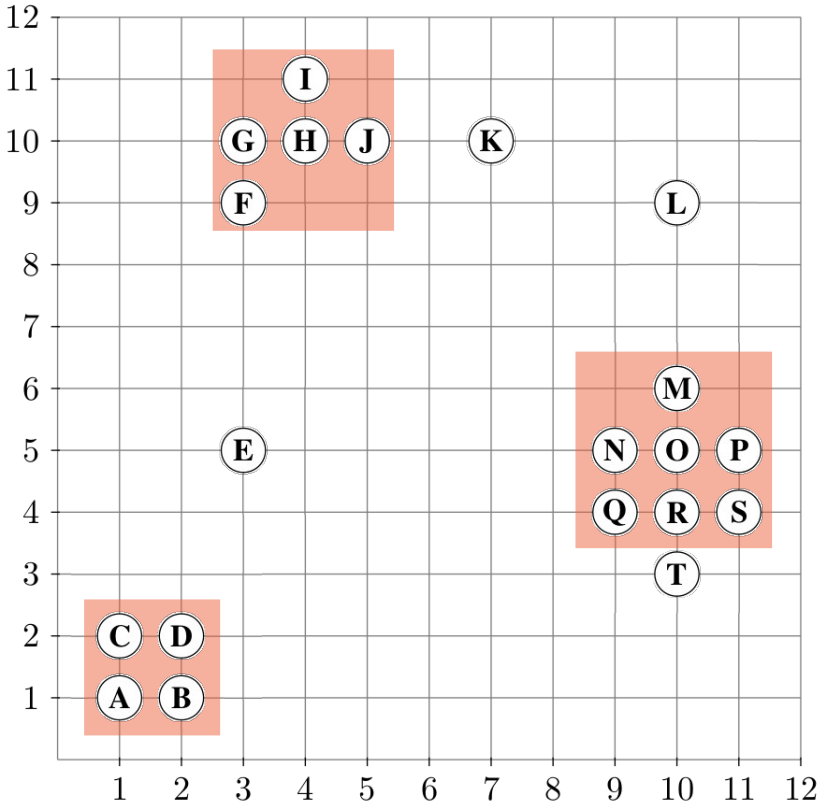
Seeds

Q R S

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S



Punkt: Q

While Seeds != empty do
RQ (Q, 1.1) = {N, Q, R}

N.ClId = 3. fertig
Q. ClId = 3. fertig
R.ClId = 3. fertig

Entferne Q aus Seeds

Unclassified

T

Noise

E K L

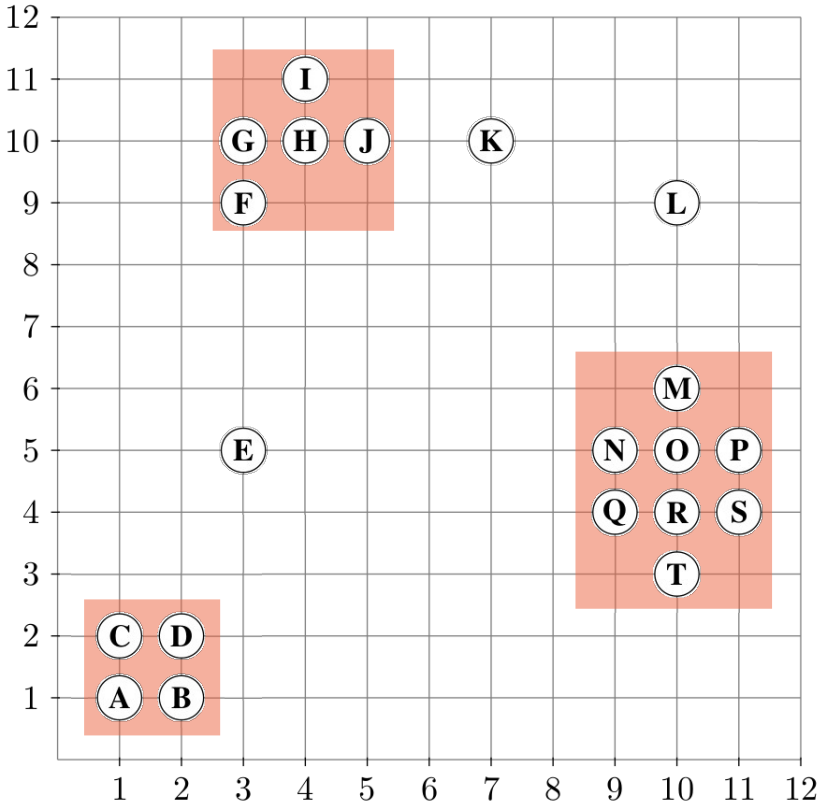
Seeds

R S

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S



Unclassified

Noise

E K L

Seeds

S T

Punkt: R

While Seeds != empty do
RQ (R, 1.1) = {O, Q, R, S, T}

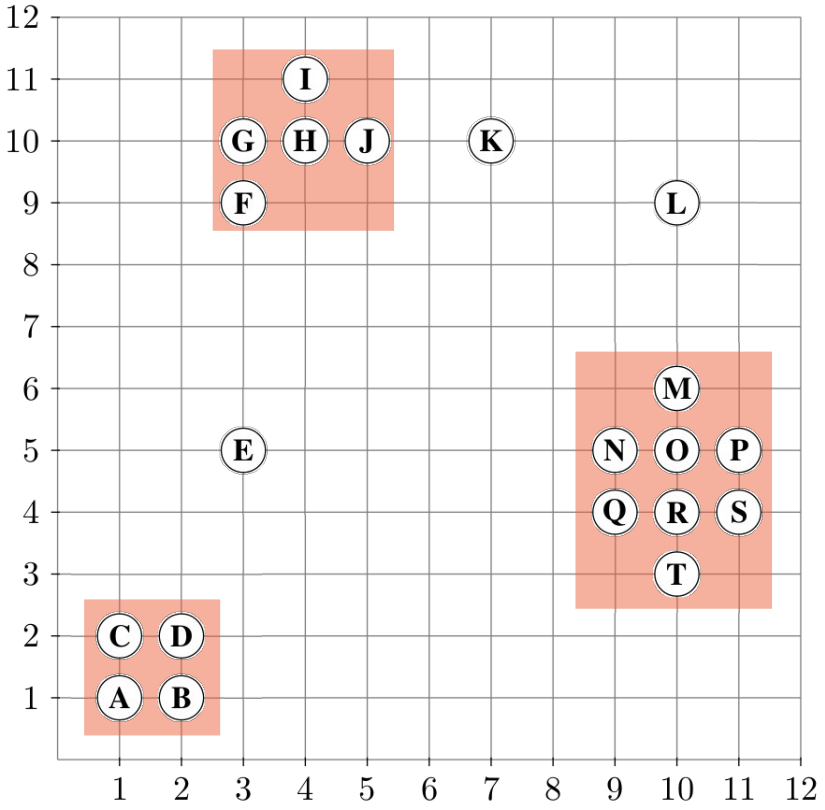
O.ClId = 3. fertig
Q. ClId = 3. fertig
R.ClId = 3. fertig
S.ClId = 3. fertig
T.ClId = Unclassified → Seeds += T; T.ClId := 3

Entferne R aus Seeds

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S, T



Punkt: S

While Seeds != empty do
RQ (S, 1.1) = {P, R, S}

P.ClId = 3. fertig
R. ClId = 3. fertig
S.ClId = 3. fertig

Entferne S aus Seeds

Unclassified

Noise

E K L

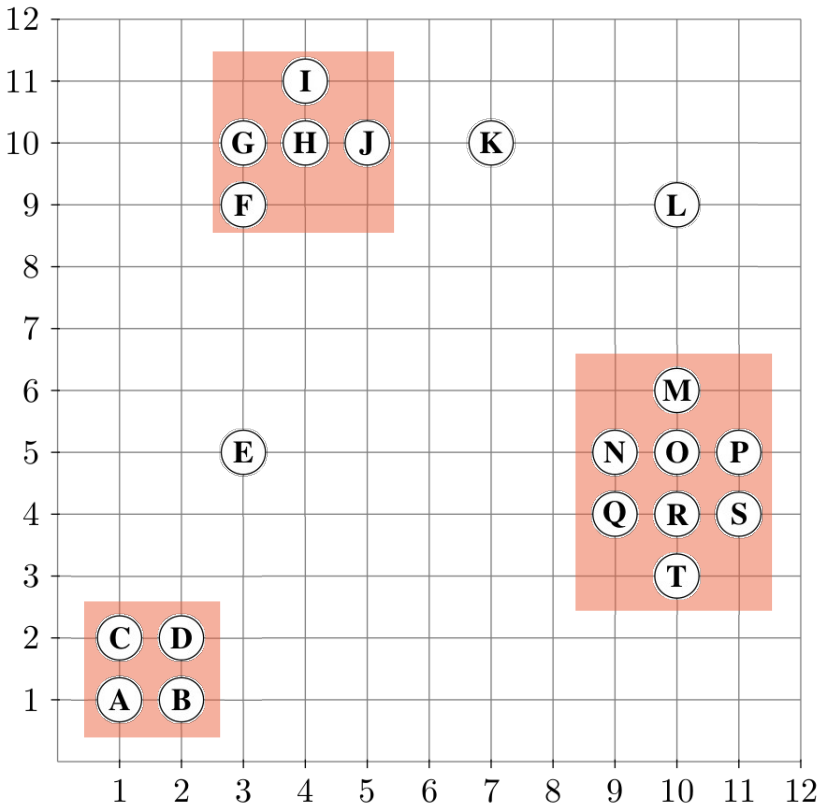
Seeds

T

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S, T



Punkt: T

While Seeds != empty do
RQ (T, 1.1) = {R, T}

R.ClId = 3. fertig
T. ClId = 3. fertig

Entferne T aus Seeds

Unclassified

Noise

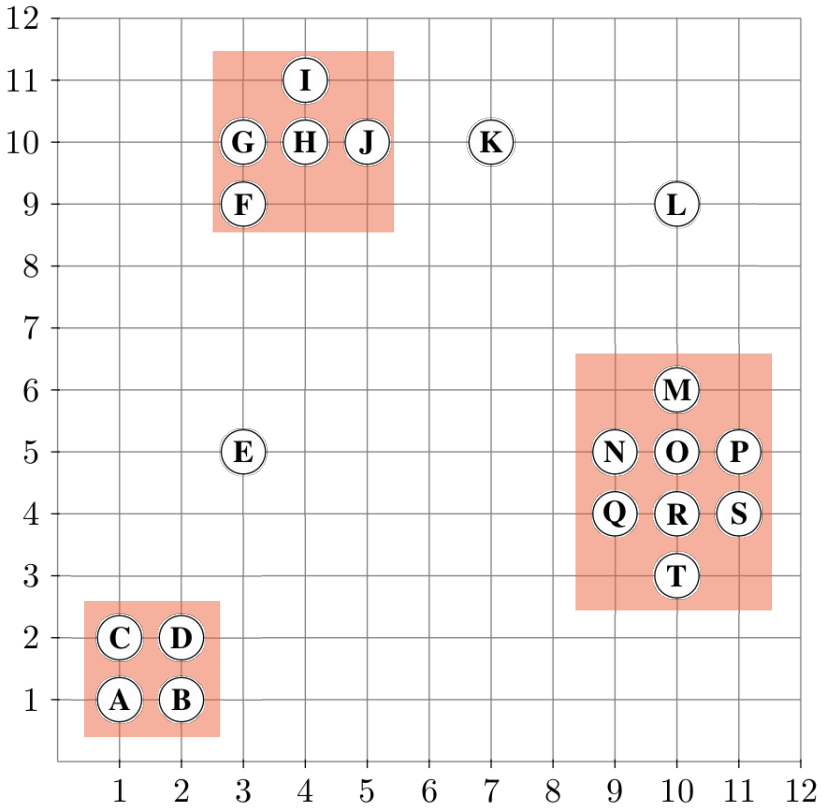
E K L

Seeds

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S, T



Unclassified

Noise

E K L

Seeds

Cluster 1: A, B, C, D

Cluster 2: F, G, H, I, J

Cluster 3: M, N, O, P, Q, R, S, T