

Beginning with a 4 part merge of pieces 1,2,3,4

START



[1,2,3,4] → A

shrink



[2,3,4] subset A → A



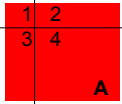
[3,4] subset A → A

must also meet area/pmtr condition

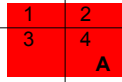


(not merging) → 4

grow



[1,2,3,4] → A



[1,2,3,4] → A



[1,2,3,4] → A



5,6+[1,2,3,4] → A (B)
unless area/pmtr increase>thr them mayt

translate



[1,2] subset A → A



(not merging) → 1

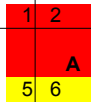


(not merging) → 1

join



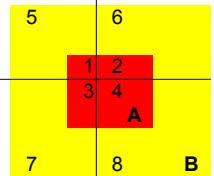
A



B



B



B

5 → 1

[5]+[1,2,3,4] → A

area(5,6)=B > area(1,2,3,4)=A → B
count(5,6)=B < count(1,2,3,4)=A → A

count(5,6,7,8)=B, count(1,2,3)=A → B
area(B) > area(A)

area(5,6,7,8) → B, an

split



area(1,3) → B < area(2,4) → A



area(1,2) → B < area(3,4) → A



(not merging) → 1 [2,3,4] → A



(not merging) → 1,2,3,4

1

2

3

4

[1,2] → A, 3,4

rename

