algorithm MakeSet(x) parent[x] = xRang[x] = 0end algorithm

```
algorithm FINDSET(x)
  if x ≠ parent[x] then
    parent[x] = FINDSET(parent[x])
  end if
  return parent[x]
end algorithm
```

algorithm DSFUNION(x, y) DSFLINK(FINDSET(x), FINDSET(y)) end algorithm

```
algorithm DSFLink(x, y)
   if Rang[x] > Rang[y] then
      parent[y] = x
   else
      parent[x] = y
      if Rang[x] = Rang[y] then
         Rang[y] = Rang[y] + 1
      end if
   end if
end algorithm
```