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Ejercicio 3.

```
UID<- function(A,B){
  Cont<-length(A)
  Cont2<- length(B)
  ifelse(Cont>Cont2, X<-c(1:Cont),X<-c(1:Cont2))
  U<- X
  I<- X

  for (i in X) {

    U[2*i-1]<-A[i]
    U[2*i]<-B[i]

    for (j in X) {

      if (A[i]==B[j]) {

        I[i]<-A[j]
        print(I)
      }

    }

  }

  print(I)
  print(U)
  #sort(I, decreasing = FALSE)
  #sort(U,decreasing = TRUE)
}
```

Ejercicio 1.

```
Pascal<- function(N){
  v<- matrix(,N+1,N+1)
  x<-N+1
  for (i in 1:x) {
    v[i]<-1
    for (j in 1:x ) {
      if (i==j) {
        v[i,j]<-1
      }
      if (i!=j) {

      }

    }

  }
```

```

    }
  }
  return(v)
}

```

Ejercicio 2.

```

mediana<- function(x){
  t<-sort(x, decreasing = FALSE)
  y<-length(x)
  print(t)

  if (y%%2 == 1 ) {
    med<- (length(x)/2)+0.5
    Med<-t[med]
  }
  if (y%%2==0) {
    med<- (length(x)+1)/2
    Med<-(t[med+0.5] + t[med-0.5])/2
  }

  return(Med)
}

```