

```

findBest <-
  function(xx,yy) {
    dd=data.frame(x=xx,y=yy)
    w.uniq=rownames(unique(dd[,1,drop=FALSE]))
    dd=dd[w.uniq,]
    or=order(dd[,1])
    dd=dd[or,]
    n=nrow(dd)
    bpoints=dd[3:(n-2),1]
    res=numeric(n-4)
    names(res)=round(bpoints,3)
    for(i in 1:(n-4)){

      form=eval(parse(text=paste("y~I(x-",bpoints[i],")+I(x-",bpoints[i],"):I(x>",bpoints[i],")"))))
      fit=lm(form,data=dd)
      res[i]=sum(fit$resid^2)
      if(i==1) attr(res,"bestFit")=fit
      else if(res[i]<min(res[1:(i-1)])) attr(res,"bestFit")=fit
    }
    res
  }
}

```