```
> u
[1]  6.215579  8.716296 10.064460 11.292387 14.504154 14.734861
[7] 18.356877 18.910133
```

```
> head(y[,1:4])
      group i        x[i]      y[i]
[1,]      1 1 -0.00266051 13.48934
[2,]      1 2  4.54802848 22.29538
[3,]      1 3  9.86832462 29.03655
[4,]      1 4  0.99869789 18.61136
[5,]      1 5  1.27733200 20.59178
[6,]      1 6  4.32915675 25.37082
> tail(y[,1:4])
       group   i     x[i]      y[i]
[108,]     8 108 4.543959 38.93163
[109,]     8 109 1.287844 34.65796
[110,]     8 110 6.642313 40.62259
[111,]     8 111 7.404183 40.46518
[112,]     8 112 8.252571 41.47995
[113,]     8 113 9.558780 46.14771
```