Detroine whether or not 1RW is connected in the uniform boolegy.

Repeating the argument in the book for the box topology we see that RW is the union of all bounded and all bounded sequences then for 1>E>0

B(x,E) consists entirely of unbounded sequences sequences if x is unbounded and bounded sequences if x is unbounded and bounded sequences if x is unbounded. Thus PW is not connected in the uniform topology.