Obtaining an lx mx schedule from a matrix

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It is possible to obtain lx and mx schedules from matrix population models using methods described by Caswell (2001). There is a function makeLifeTable in our Mage package, that implements this.

Here is an example.

Load the data:

```
load("COMADRE_v.2.0.0.RData")
```

Next, query the metadata part of comadre to identify the location of the desired data using the command which in a conditional search:

```
id <- which(comadre$metadata$SpeciesAccepted == "Lepus_americanus")
id</pre>
```

```
> [1] 1164 1165 1166 1167 1168 1169
```

Let's pick the first matrix of the list obtained above:

```
> x 1x mx

> 1 0 1.000000e+00 0.0000

> 2 1 1.971520e-02 10.3402

> 3 2 3.982470e-03 10.3402

> 4 3 8.044590e-04 10.3402

> 5 4 1.625007e-04 10.3402

> 6 5 3.282515e-05 10.3402

> 7 6 6.630679e-06 10.3402

> 8 7 1.339397e-06 10.3402

> 9 8 2.705582e-07 10.3402

> 10 9 5.465277e-08 10.3402
```