

Homework 2

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9/14/2018

Problem 2

Double.eps is the smallest positive floating-point number.

Double.neg.eps is a small positive floating-point number which '1-double.neg.eps' is 1'.

Double.xmin is the smallest floating-point power of the radix but still exist.

Double.xmax is The largest finite floating-point number.

```
.Machine$double.xmax
```

```
## [1] 1.797693e+308
```

```
.Machine$double.xmin
```

```
## [1] 2.225074e-308
```

```
.Machine$double.eps
```

```
## [1] 2.220446e-16
```

```
.Machine$double.neg.eps
```

```
## [1] 1.110223e-16
```