

```
1  % the digital square wave function, period = 2pi
2  function y = sq(x)
3      % scale to period of 2pi
4      %     period = 2*pi;
5      %     range = [-1,1];
6      %     a = range(1); b = range(2);
7
8      y = sign(sin(x));
9
10
11
12
```