

```

1 local R=require
2 local _, ako, SYM, NUM = R"lib", R"ako", R"sym", R"num"
3 local class, OBJ, push = _.class, _.OBJ, _.push
4
5 local COLS = class("COLS",OBJ)
6 function COLS:new(names)
7   self.names, self.klass = names, nil
8   self.all, self.x, self.y = {}, {}, {}
9   for at,name in pairs(names) do
10    local now = push(self.all, (ako.num(name) and NUM or SYM) (at,name))
11    if not ako.ignore(name) then
12      if ako.klass(name) then self.klass=now end
13      push(now.indep and self.x or self.y, now) end end end
14
15 function COLS:add(row)
16   for _,col in pairs(self.all) do col:add(row[col.at]) end
17   return row end
18
19 return COLS

```