```
1101
    1101
                              x 1010
    x 1010
                               0000
                First PP:
     0000
                               00000
    1101
                (t1) Shift right:
                               1101
   0000
                 Second PP:
   1101
                               11010
                 Add:
  10000010
                              011010
                (t2) Shift Right:
                              0000
                 Third PP:
Observation;
                              011010
                 Add:
Shift right at each
                              0011010
                (+3) Shift right:
Stop instead of left
                 Fourth PP:
                               1101
                (t+) Add:
                              0000010
Simpler implementation (actual register):
 { product, multiplier? = 0000 1010 = initially
             Shift hight: 00000101 (+1)
                    11010101
           Shift right: 01101010 <
                  +0000
                   01101010
          Shift right: 00110101
                  + 1 101
         need space > [] 00000101
         (temporary)
        Shift right: 10000010 < ___ (t4)
```

Slide-19

Traditional:

Simpler implementation: