```
Topics - work - privacy - property
                          CSC104 winter 2013
                         Why and how of computing
Project II > I week +

SLOC > -> I week +

Tutorial -> I week.
                                    week 11
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```

Text: Picturing Programs



Outline

work

Notes



who's got the better deal?

My parants -> 40 hour work.

14 hour days 18005 (Industrial Revolutionary)



life with, or without, computers — which works better?



what went wrong?

How many hours per week do you expect to work? What about your parents/grandparents? Explain labour-saving devices

previous experience

does technological change automatically improve lives?

Move things produced hour "uniform" in some ways better, at least "uniform"



land cleared of people provides wool and hands for emerging factories



o ver all

Some economists report that production actually dropped for the first few decades of the Industrial Revolution. The working day certainly lengthened — to 12 or even 14 hours!

automation/computerization

what has the effect been?

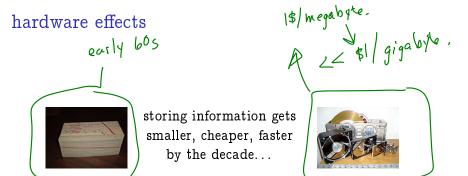
Told ville



Ford assembly, then and now where'd everybody go?



In 1940s, a car "cost" 35 hours. Now it's 19 hours.



What's the effect on working lives?

do long hours matter?

X/h

... if you have an ergonomic chair and a fuzzball table?



Check out why crunch mode doesn't work. Chart productivity/hour over a long day.



don't operate heavy machinery...

after working (too much)

ar Johns

N 24 hours awake. Now-devel skills judgement.

prolonged sleeplessness affects motor skills and judgement





work 0.5 h/day





new jobs, flying cars, or no jobs, or retirement?



not just how long, but where

tele commuting > + flexibility

Journside > al ways available



trade traffic for flexibility and time?



flatten

```
; flatten : list -> list
(define (flatten L)
  (cond-
    (cons? L) (apply append (map flatten L))]
    [else (list L)]))
; predict what (flatten 3) does
; predict what (flatten (list 3)) does
; predict what (flatten (list 1 2 (list 3))) does
```

depth

```
; depth : list -> number
(define (depth L)
  (cond
    [(cons? L) (+ 1 (apply max (map depth L)))]
    [else 0]))
; predict what (depth 3) does
; predict what (depth (list 3 4)) does
; predict what (depth (list 3 4 (list 5 6))) does
```

Notes