

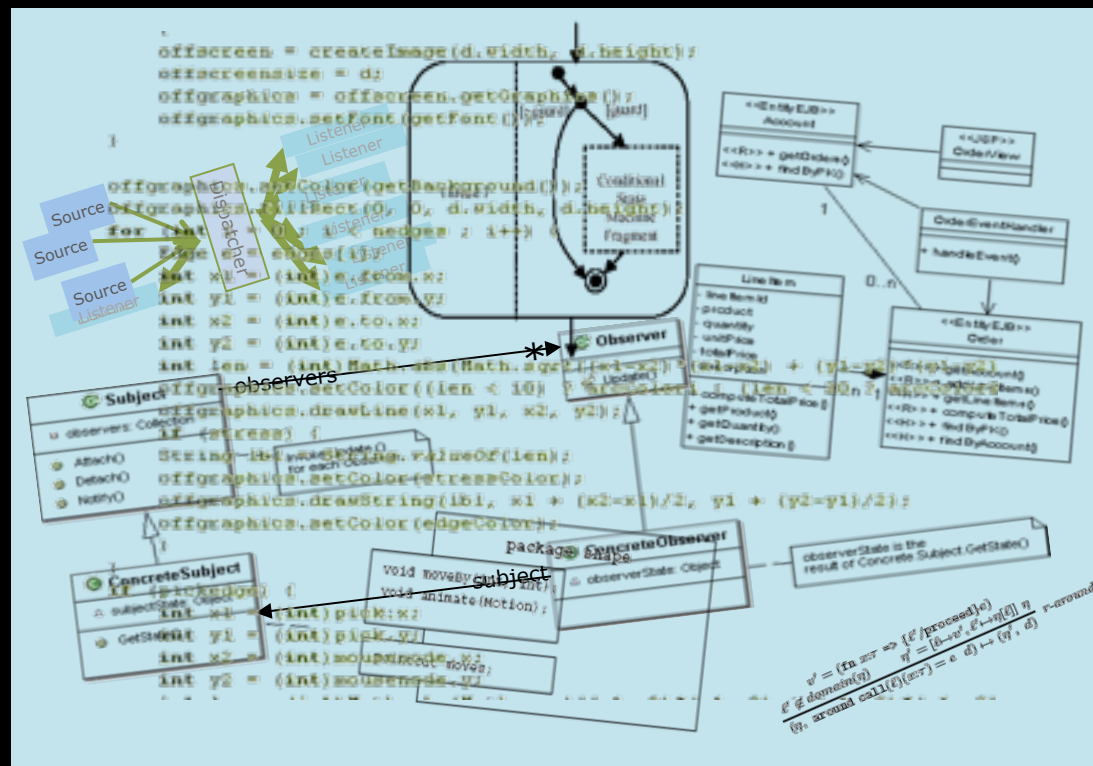
# Software, Scale, Strategy

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# a medium of symbols





# capability, interlinking, agility



va.gov

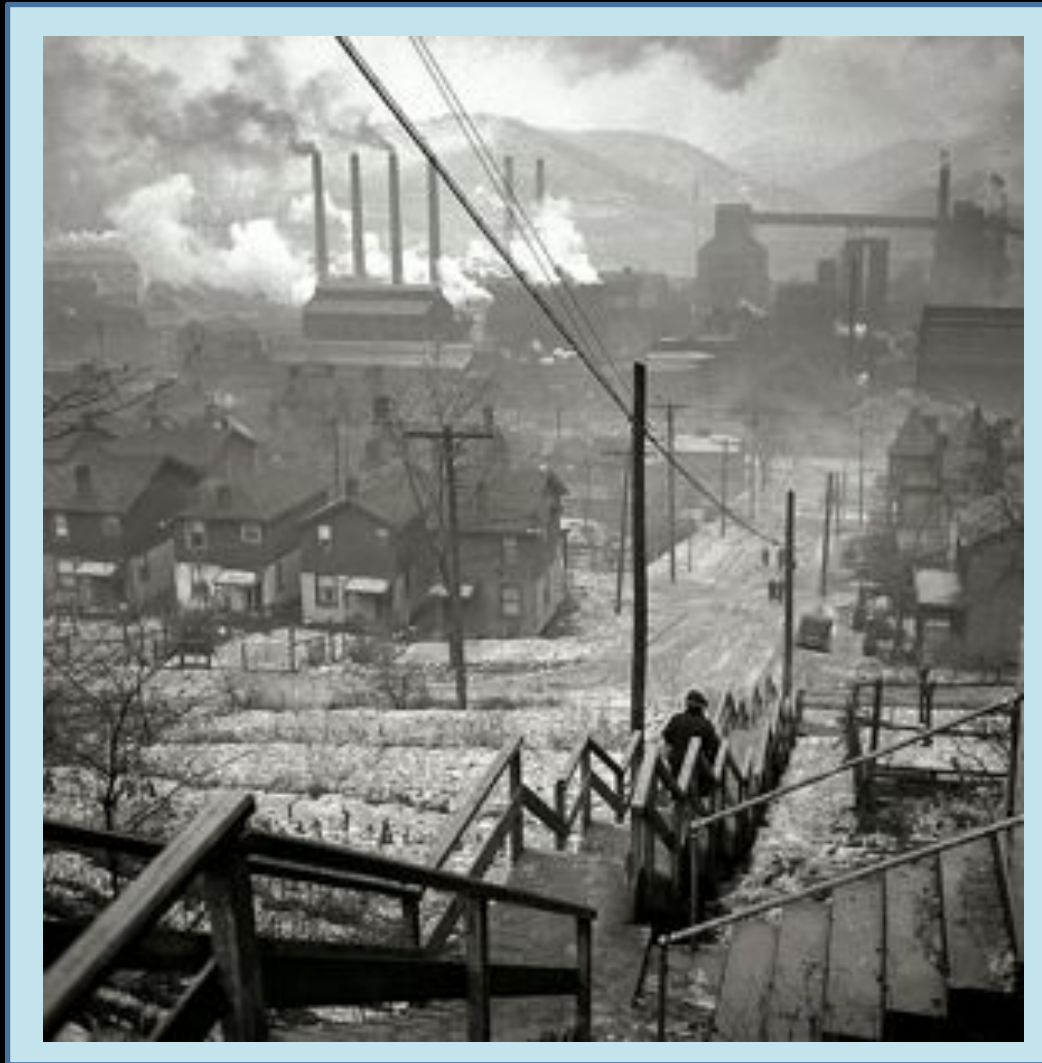
# unboundedness

**Languages**  
**Models**  
**Practices**  
**Tools**

# sourcing and ecosystems



# unboundedness, revisited





# automatic programming



NATIONAL PHYSICAL LABORATORY

TADDINGTON, MIDDLESEX, ENGLAND

PAPER 2-3

AUTOMATIC PROGRAMMING  
PROPERTIES AND PERFORMANCE OF  
FORTRAN SYSTEMS I AND II

by

J. W. BACKUS

```
10 DO 11 I = 1, 10
11 A(I) = I*N(I)
```

1958.

To be presented at a Symposium on  
The Mechanization of Thought Processes,  
which will be held at the National Physical  
Laboratory, Taddington, Middlesex, from 24th-  
27th November 1958. The papers and the discussions  
are to be published by H.M.S.O. in the Proceedings  
of the Symposium. This paper should not be repro-  
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the Secretary, National Physical Laboratory.

# HPCC and NITRD

