Computational Thinking vs. Thinking Computationally *

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1 Computational Thinking

Teach people how computers work such that people will use one.

Computer technology used by problem solving process is currently driven by teaching people how to adapt their work to computer's work.

Rational: computer evolution process.

2 Thinking Computationally

Teach computers how people work such that people will use one.

Future computer technology used by problem solving process will be driven by teaching computers how to adapt their work to people's work.

Rational: cognition evolution process.

3 Example

Replace system by computer and software by brain in the phrases *system software* and *software system*.

- System software becomes computer brain (or brain of the computer). This is how computers work.

- Software system becomes brain computer (or computer of the brain). This is how people work.