

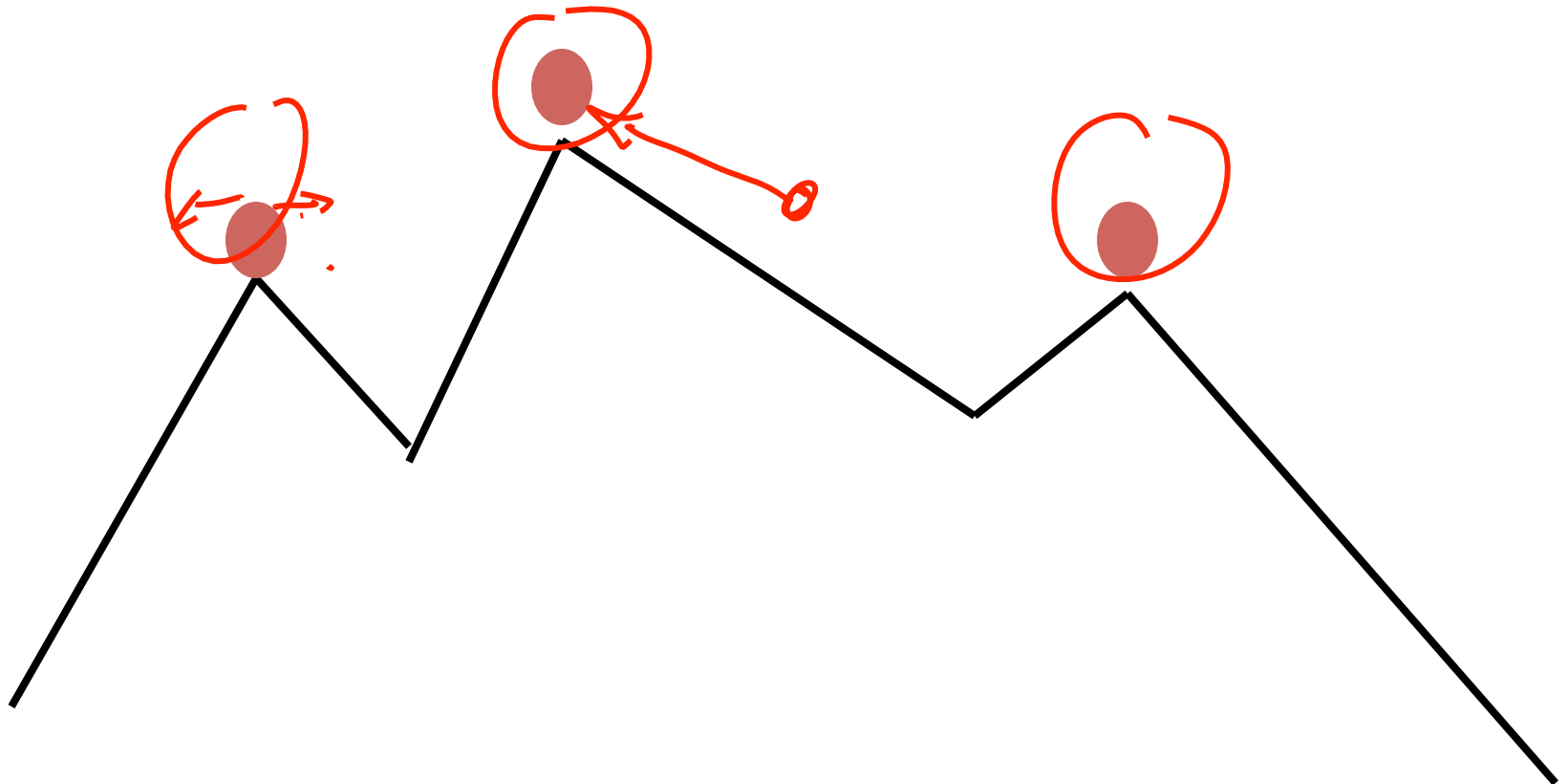
Model Thinking

Scott E Page

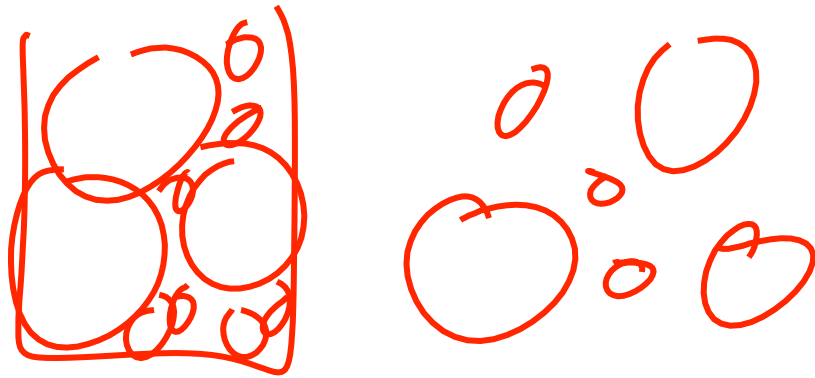
Heuristics

Hillclimb: move
locally to
better points

Local Optima



Do the Opposite



Big Rocks First!

No Free Lunch: Wolpert & McCreedy

All algorithms that search the same number of points with the goal of locating the maximum value of a function defined on a finite set perform exactly the same when averaged over all possible functions.

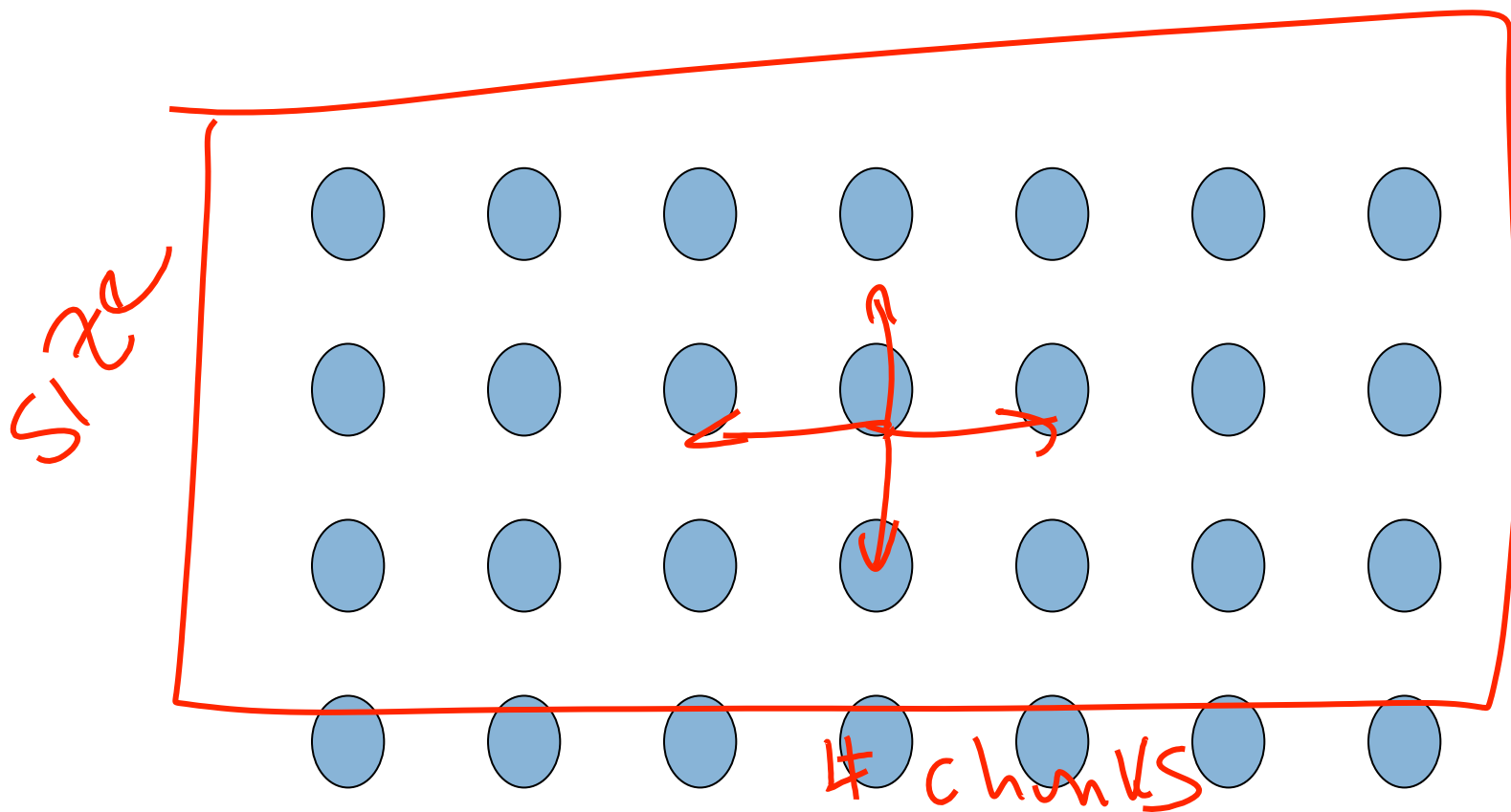
NFL (Informal)

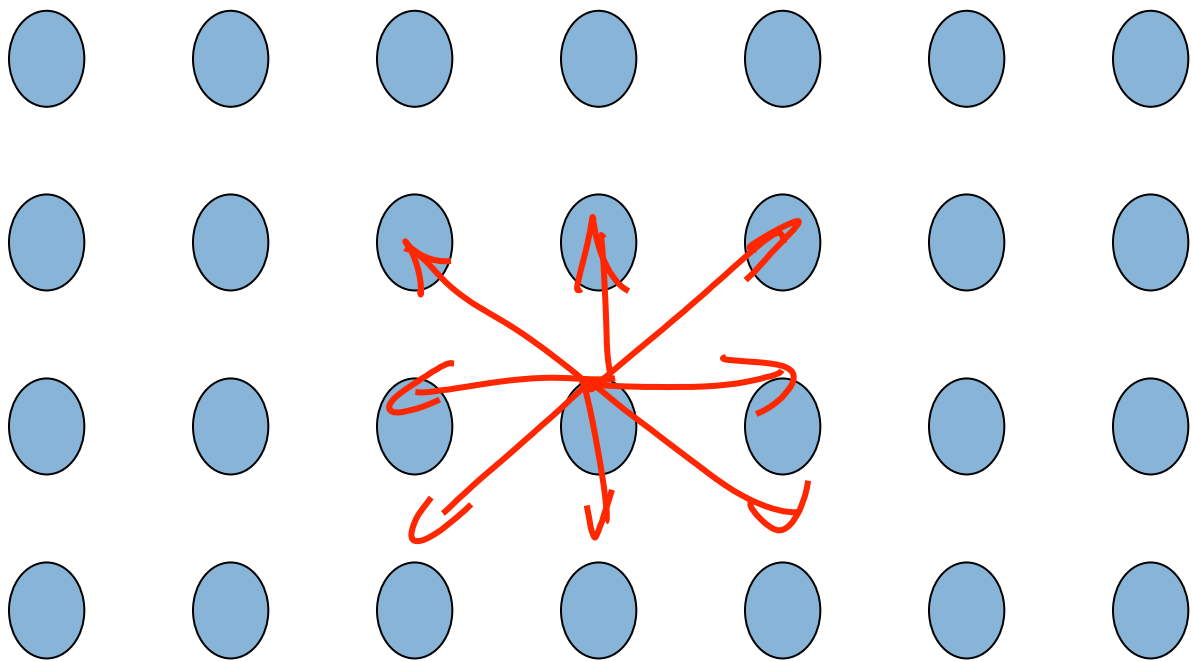
Unless you know
something about
the problem
being solved, no
algorithm or
heuristic
performs better
than any other.



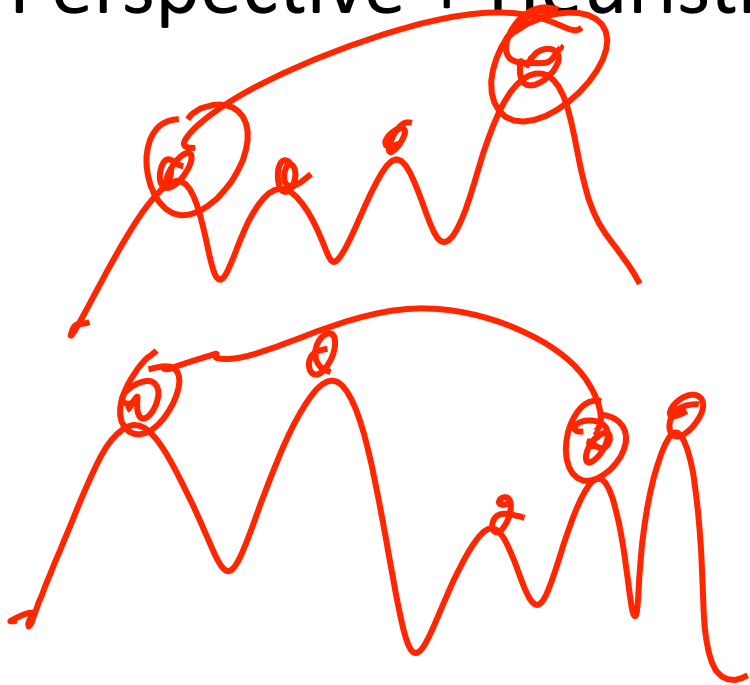
Little Rocks First!

Diverse Heuristics





Perspective + Heuristics



Model Thinking

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