

# The MiniMaxularity & Human Disemployment

Selmer Bringsjord

*Are Humans Rational?*

10/10/19

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**Test | Letter Grades ...**

# Two Affirmed Principles from What I Received

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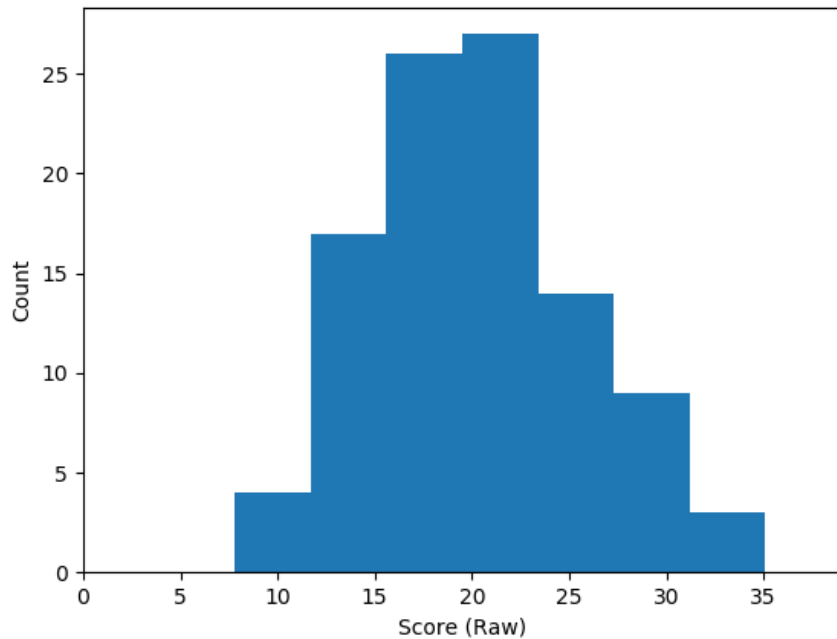
- It's not rational for  $x$  to begrudge  $y$ 's receiving a high grade (via some system) if  $x$  does too by that system.

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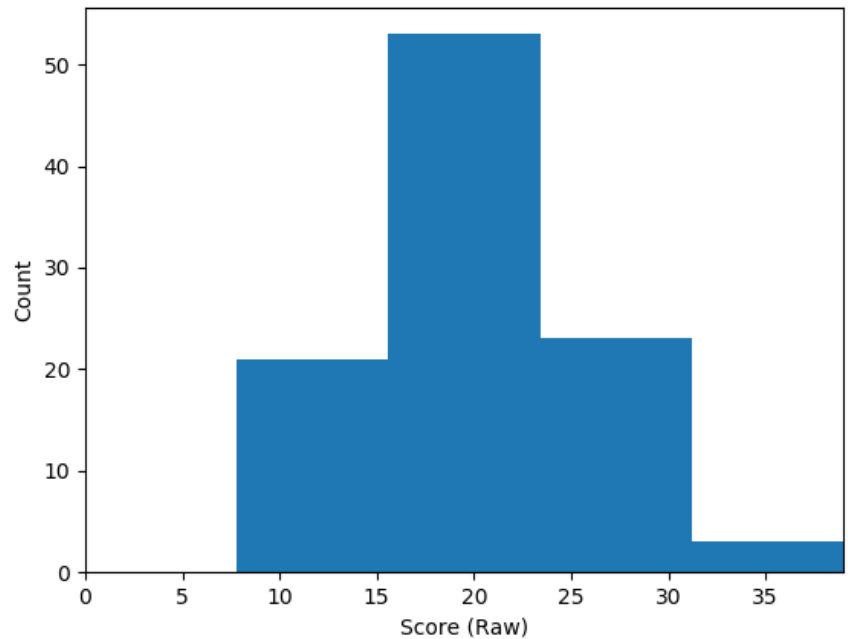
- It's not rational for  $x$  to begrudge  $y$ 's receiving a high grade (via some system) if  $x$  does too by that system.
- It's not rational to assign letter grades in a manner that assumes "equal footing" w.r.t. formal content when such footing is absent, or not possible.

# How to assign letter grades? — rationally

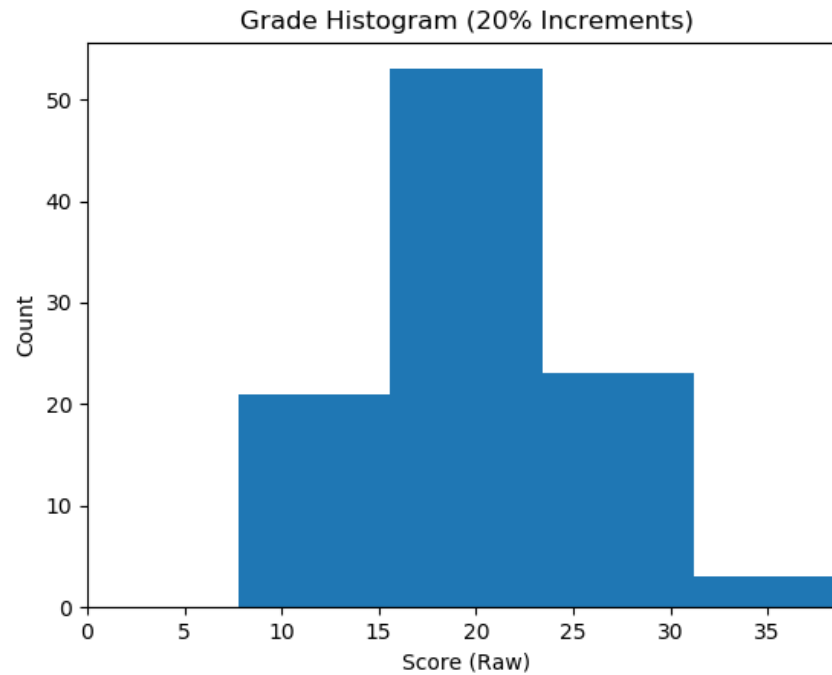
Grade Histogram (10% Increments)



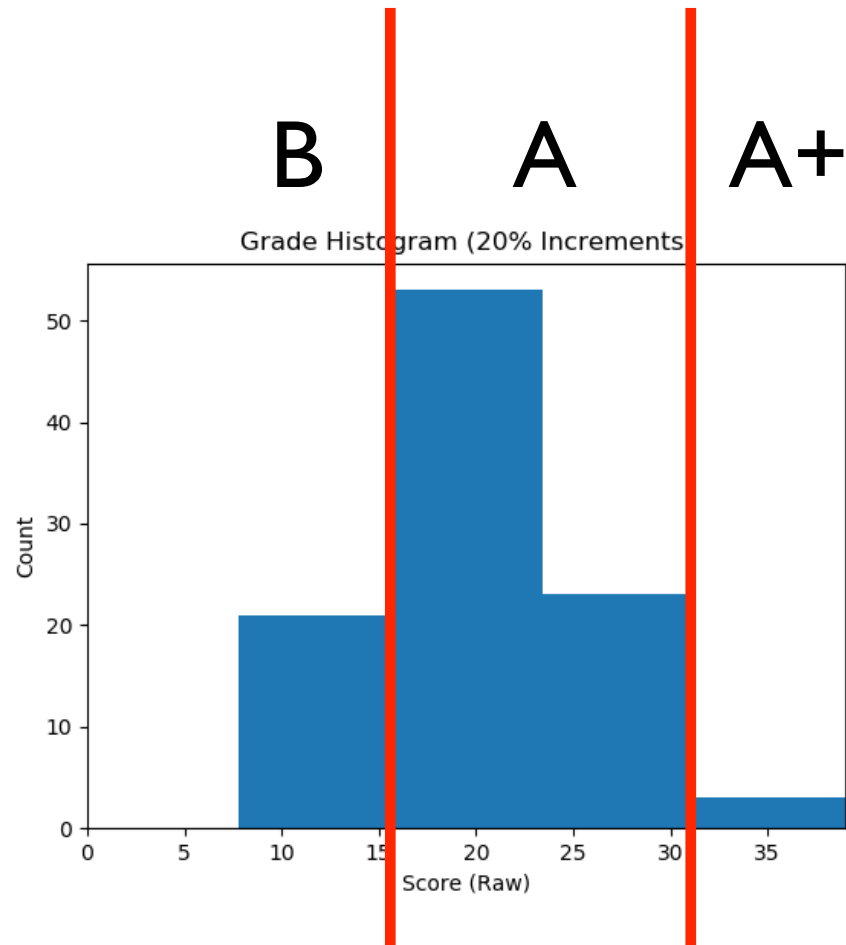
Grade Histogram (20% Increments)



# Assignments

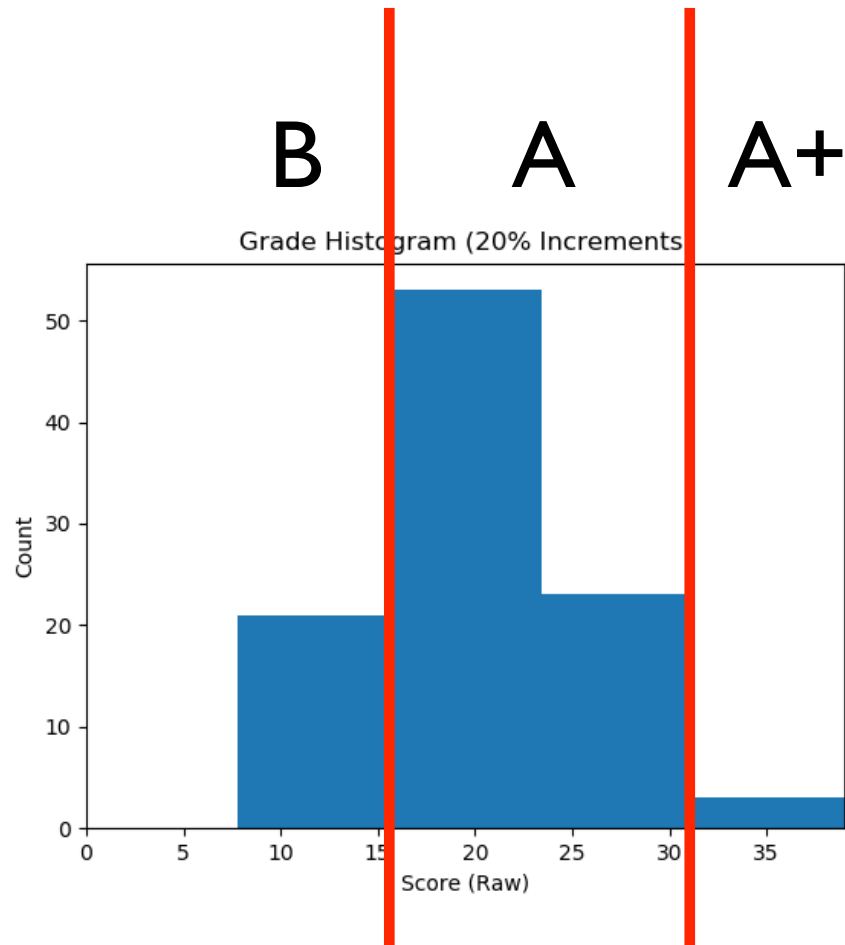


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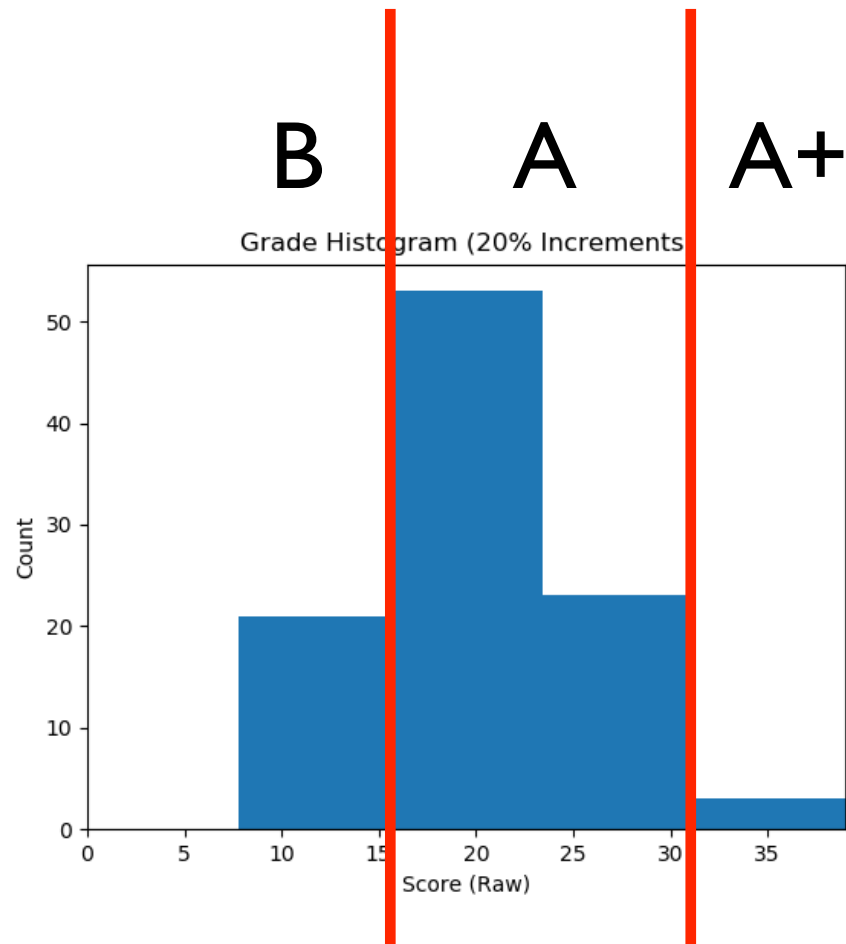


# Assignments



But every  $<15$  must see me or Can in person in office hrs.

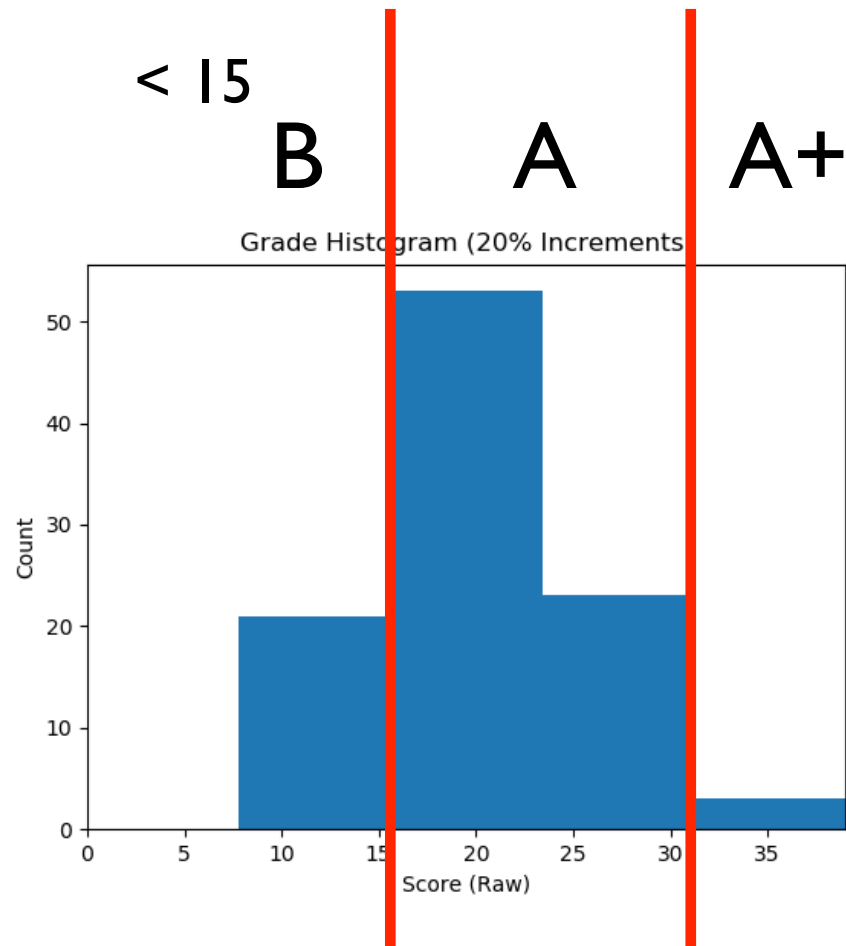
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But every  $<15$  must see me or Can in person in office hrs. <sup>5</sup>

And @ 530p today, Can returns to the solutions, ready to take questions.

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But every <15 must see me or Can in person in office hrs. <sup>5</sup>

And @ 530p today, Can returns to the solutions, ready to take questions.



Now to AI & Disemployment

...

# Based in large measure on ...

[http://kryten.mm.rpi.edu/The\\_Singularity\\_Business.pdf](http://kryten.mm.rpi.edu/The_Singularity_Business.pdf)

## Chapter 6 The Singularity Business

### Toward a Realistic, Fine-Grained Economics for an AI-Infused World

Selmer Bringsjord and Alexander Bringsjord

**Abstract** This is an essay on the Singularity business. Contrary to what many might expect upon parsing our title, we don't use 'the Singularity business' to refer to the general and multi-faceted discussion and debate surrounding the Singularity, that mythical future point in time when AI exceeds today's technology beyond what we can see from the present. Rather, we're concerned with business and economic questions relating to what we dub "The MiniMaxularity", that *forseeable* future time when the AI of today simply matures.

**Keywords** Singularity • Machine intelligence • Automation • MiniMaxularity • Technological unemployment • Economics of computation

#### 6.1 Introduction

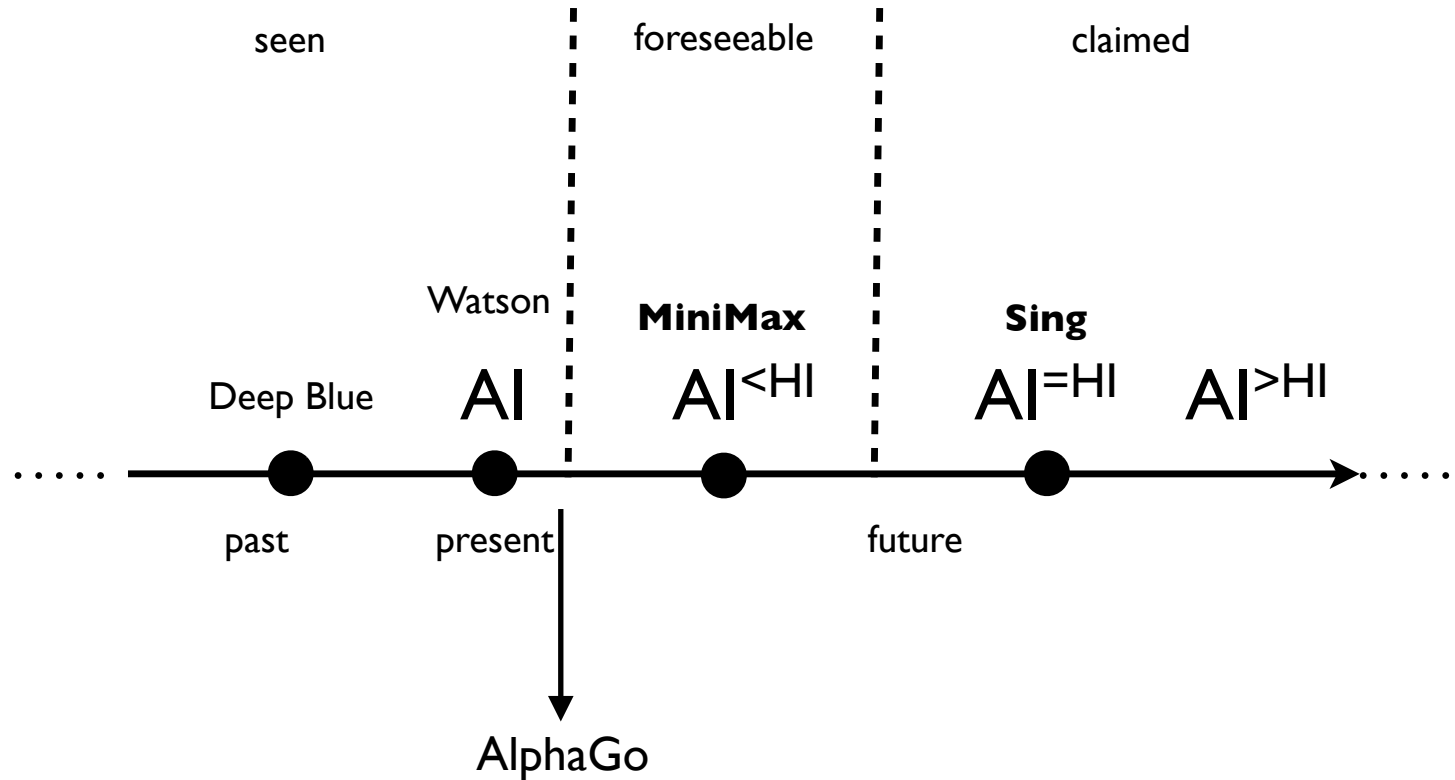
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We are greatly indebted to a number of colleagues for helpful comment and criticism, including that which catalyzed our rather more circumspect position on the hypothetical state of economics in a world with machines that have either near-human intelligence in some spheres (our AI<sup>TM</sup>), human-level intelligence (our AI<sup>TM</sup>), or super-human intelligence (our AI<sup>TM</sup>). We are grateful for the guidance and leadership of Thomas Powers, and comments from an anonymous reviewer.

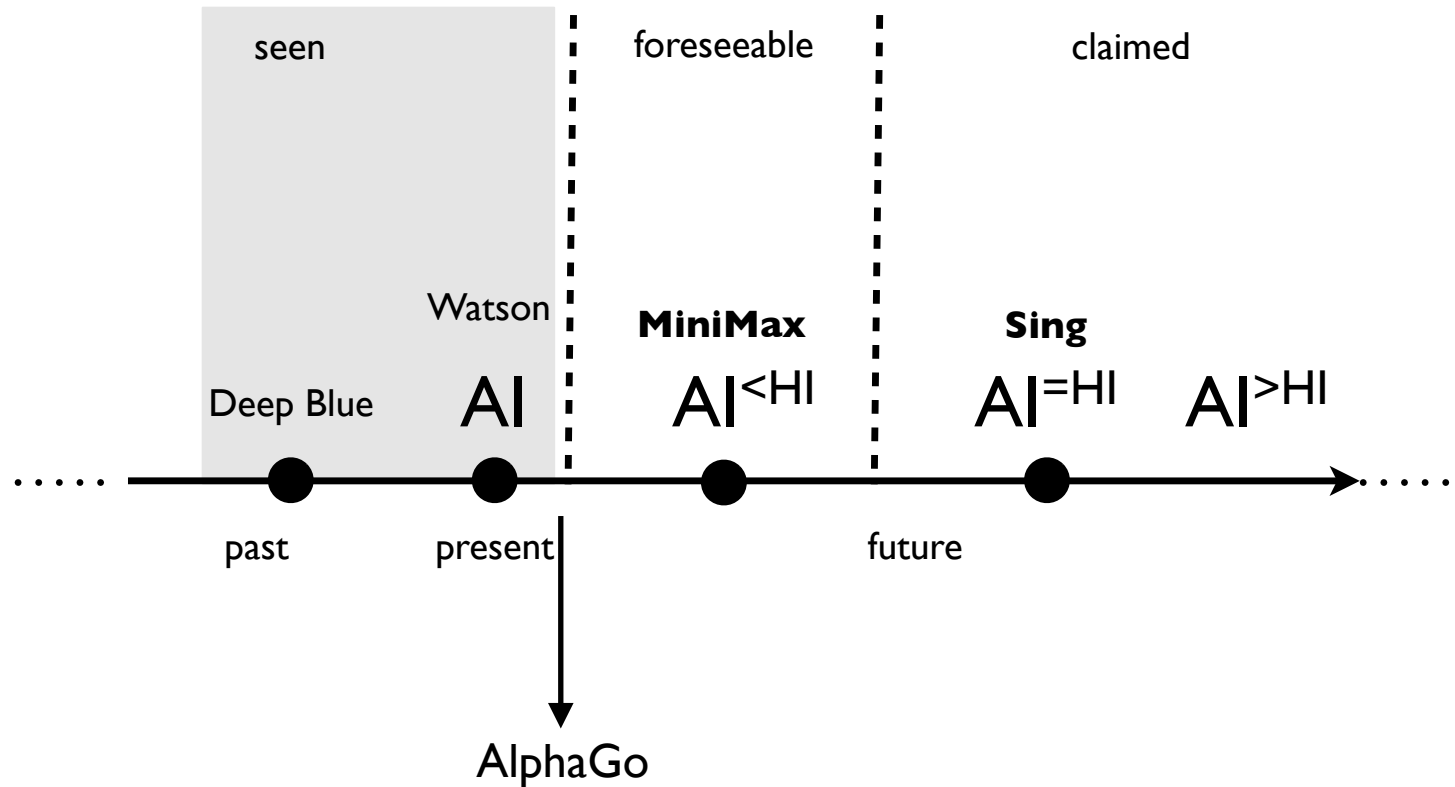
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e-mail: Selmer.Bringsjord@gmail.com

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PricewaterhouseCoopers LLP, 300 Atlantic Street, 06901, Stamford, CT, USA

# Before: A Realistic Timeline

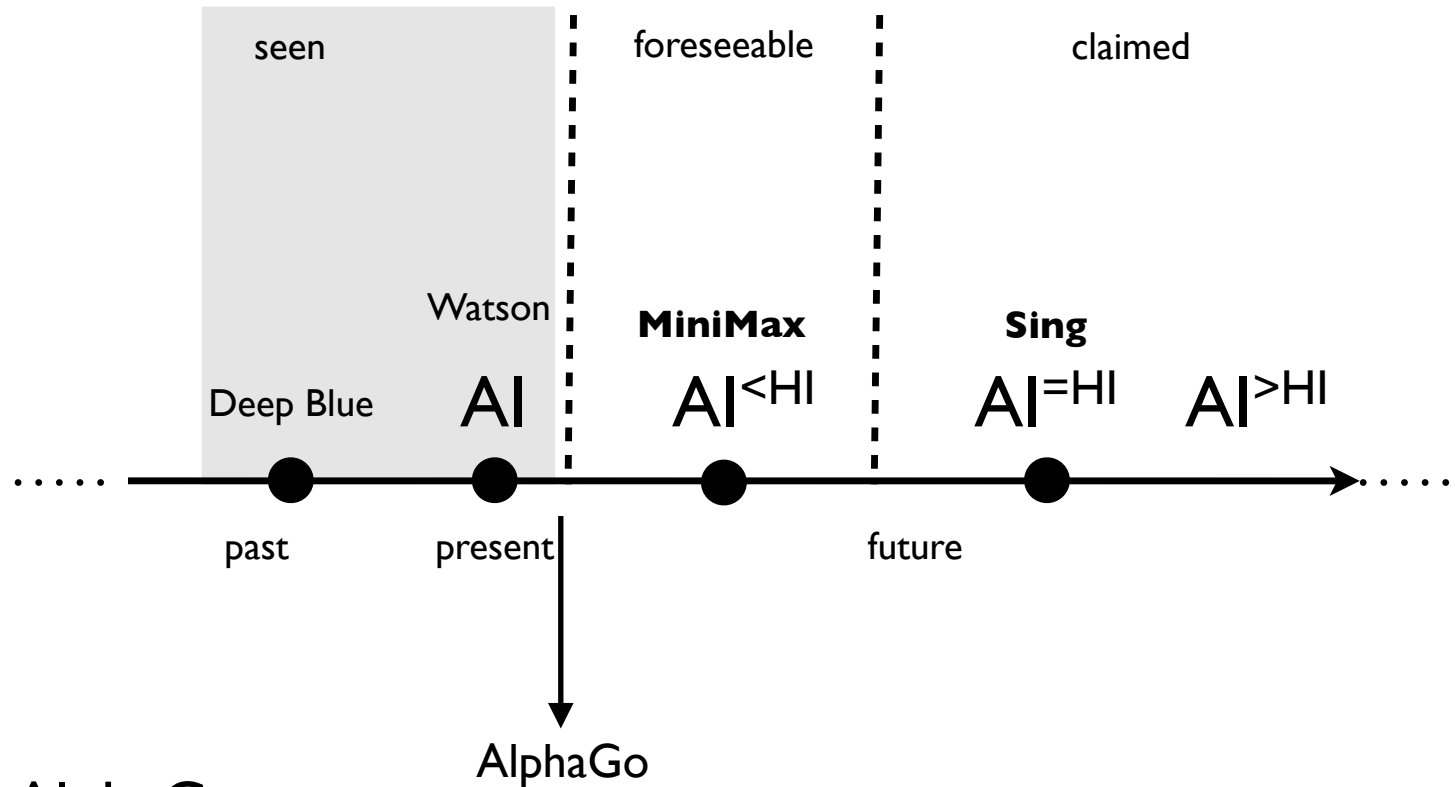


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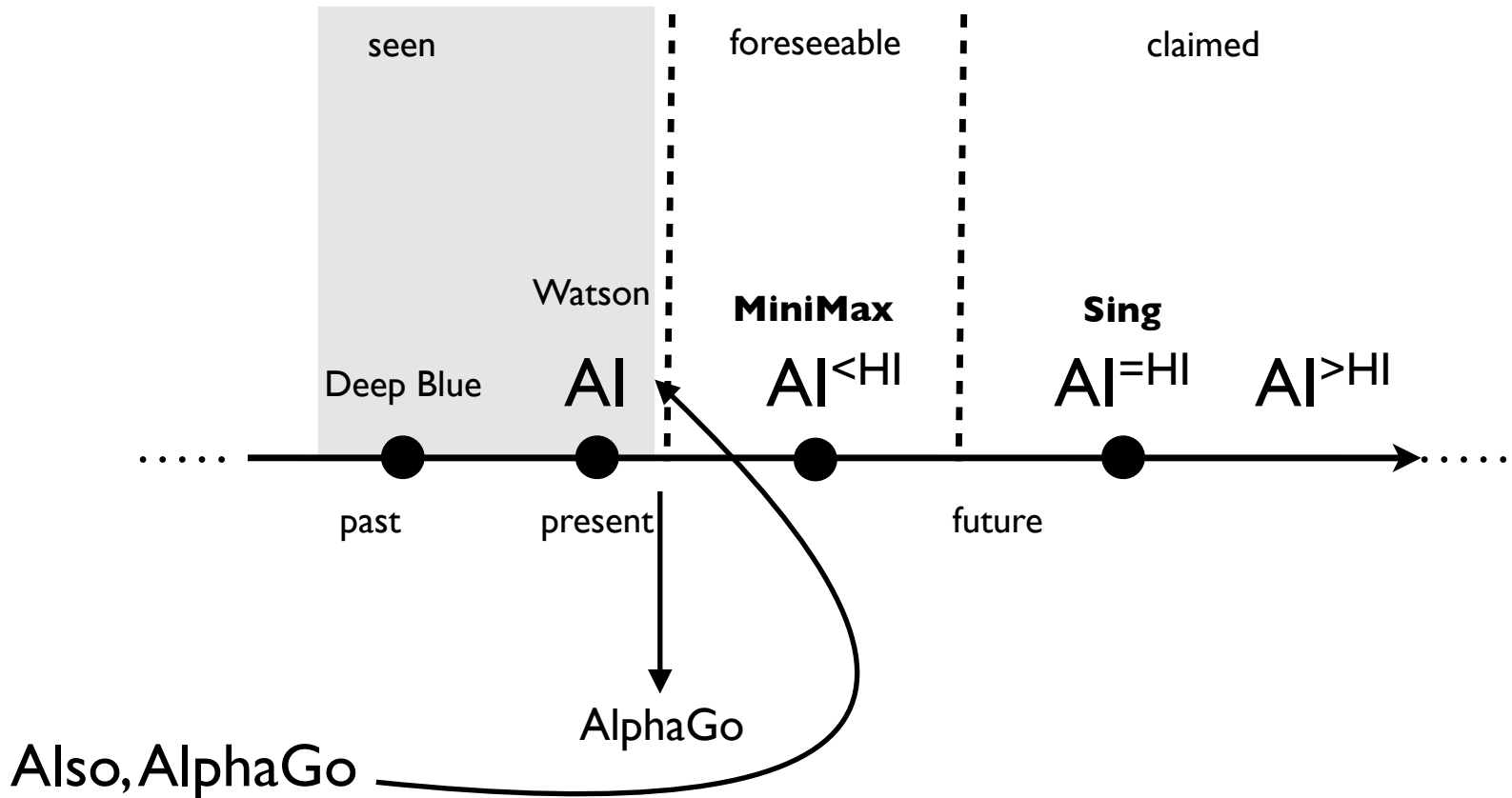


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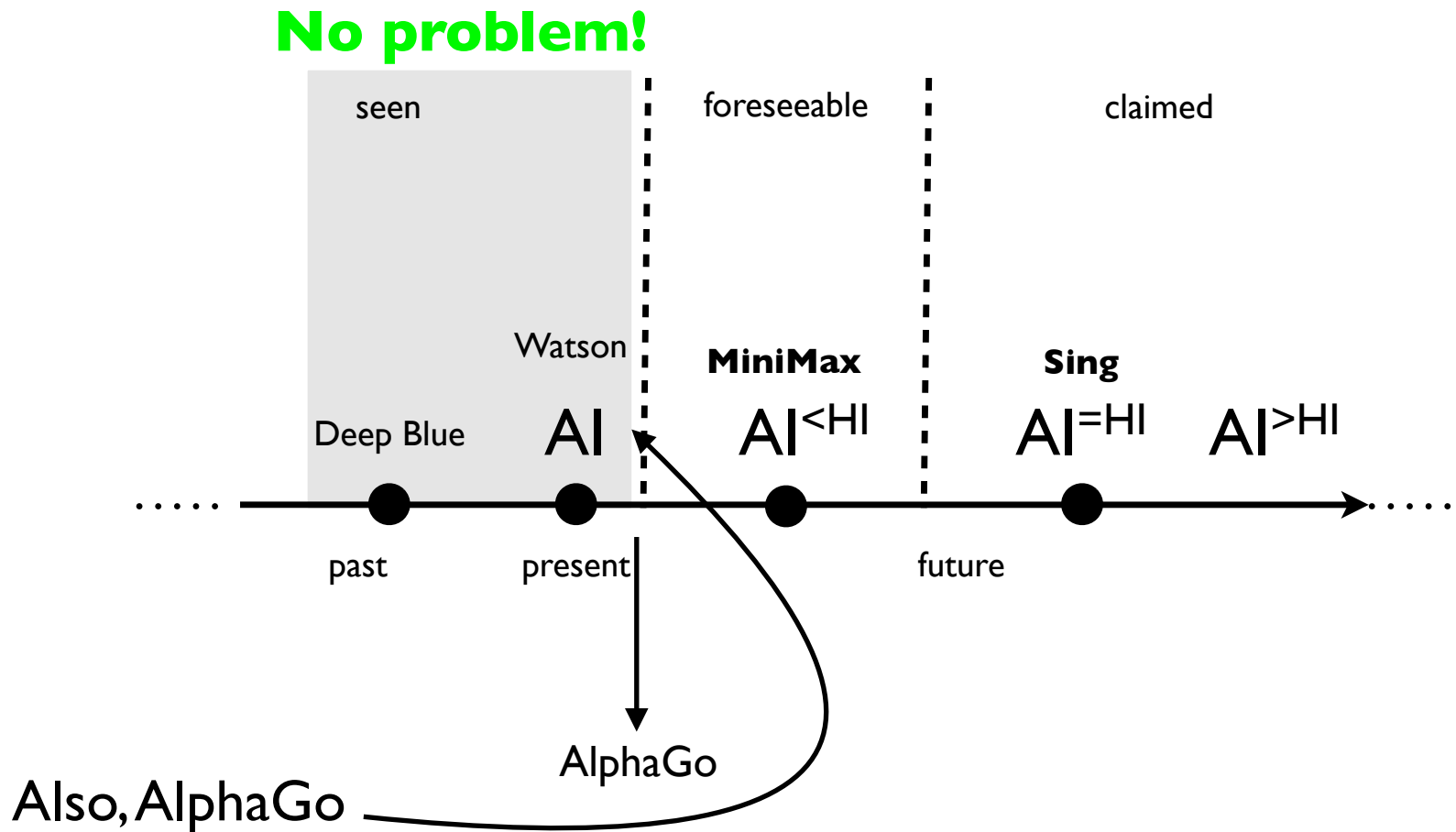


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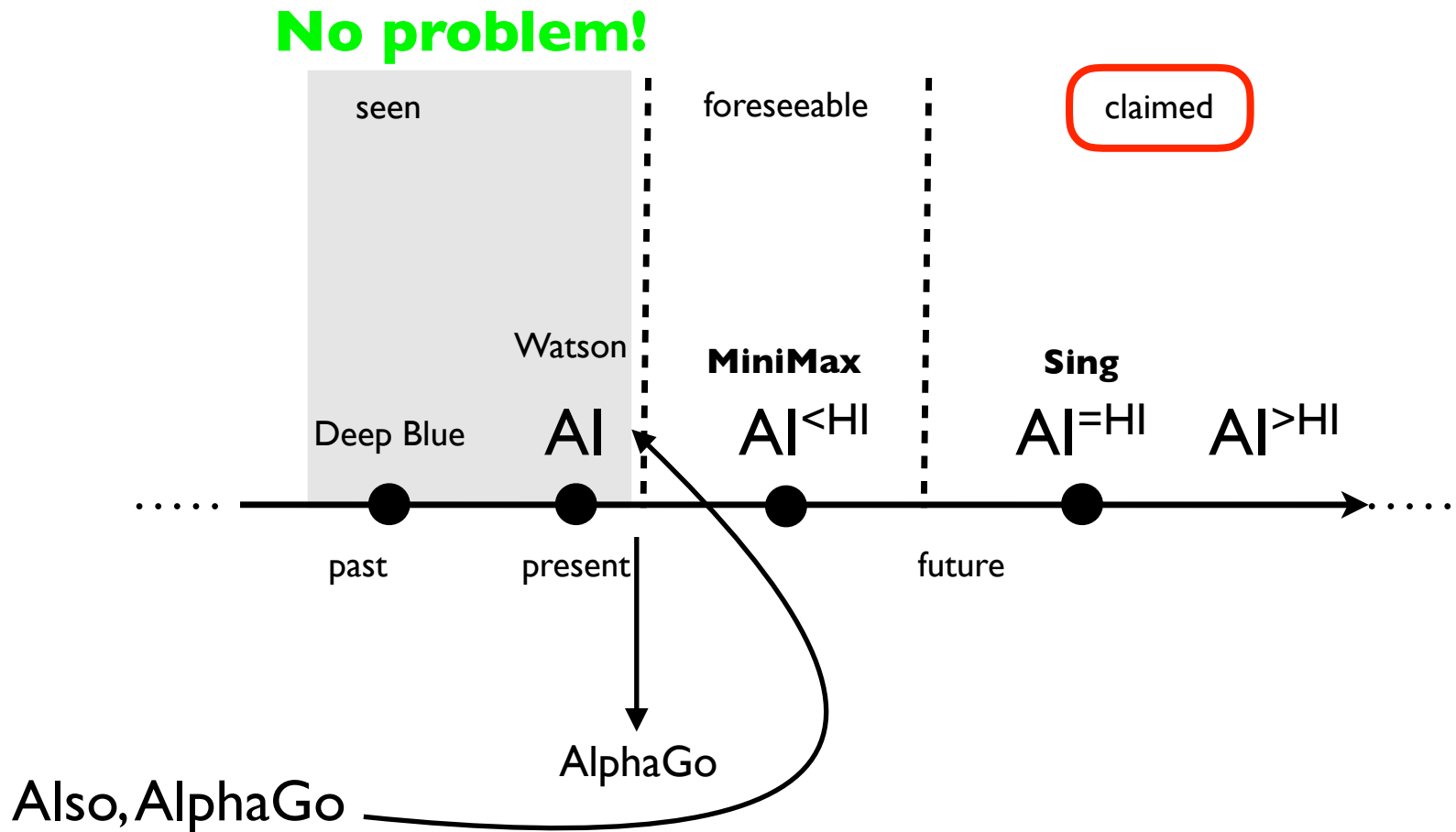
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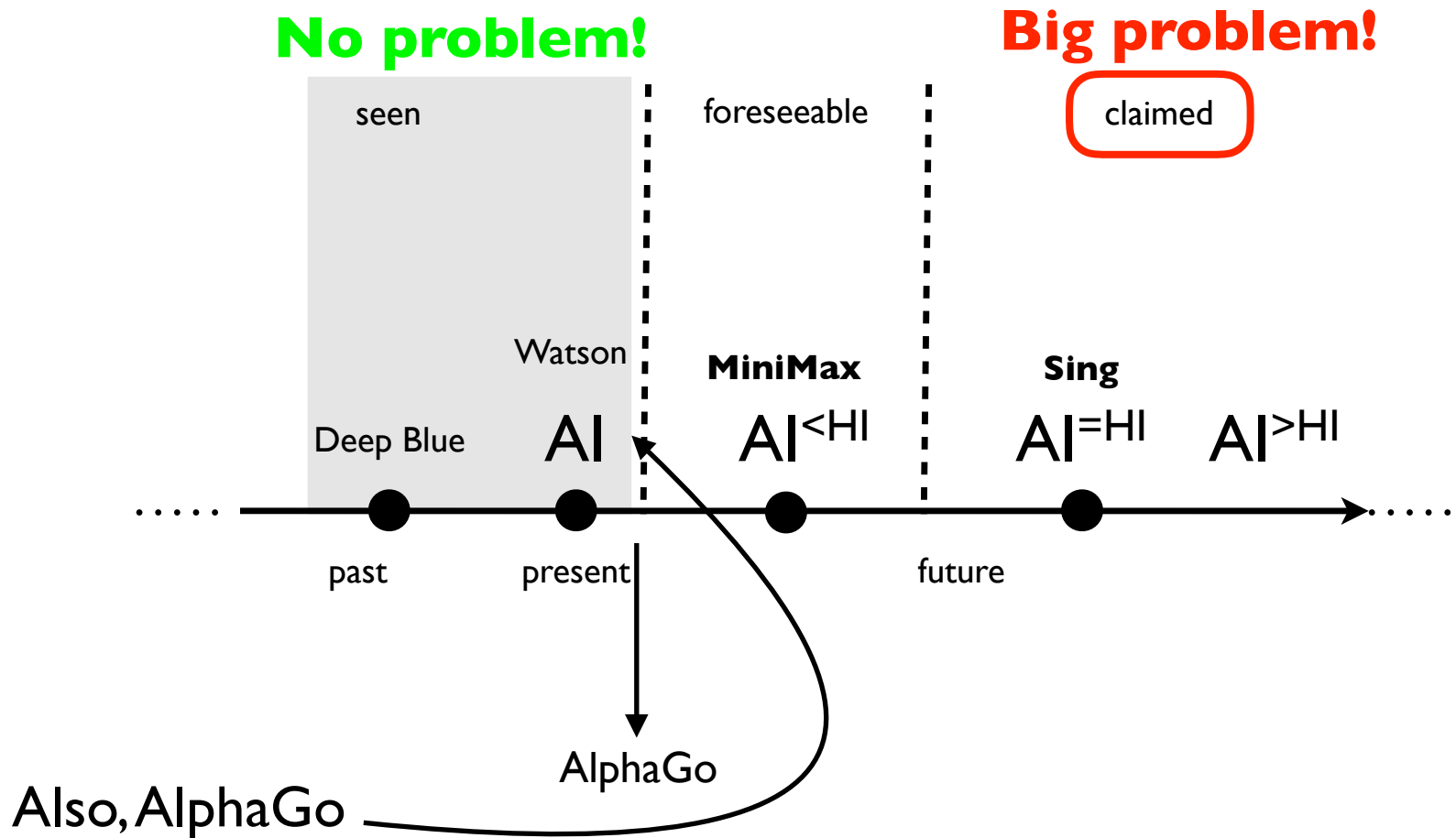
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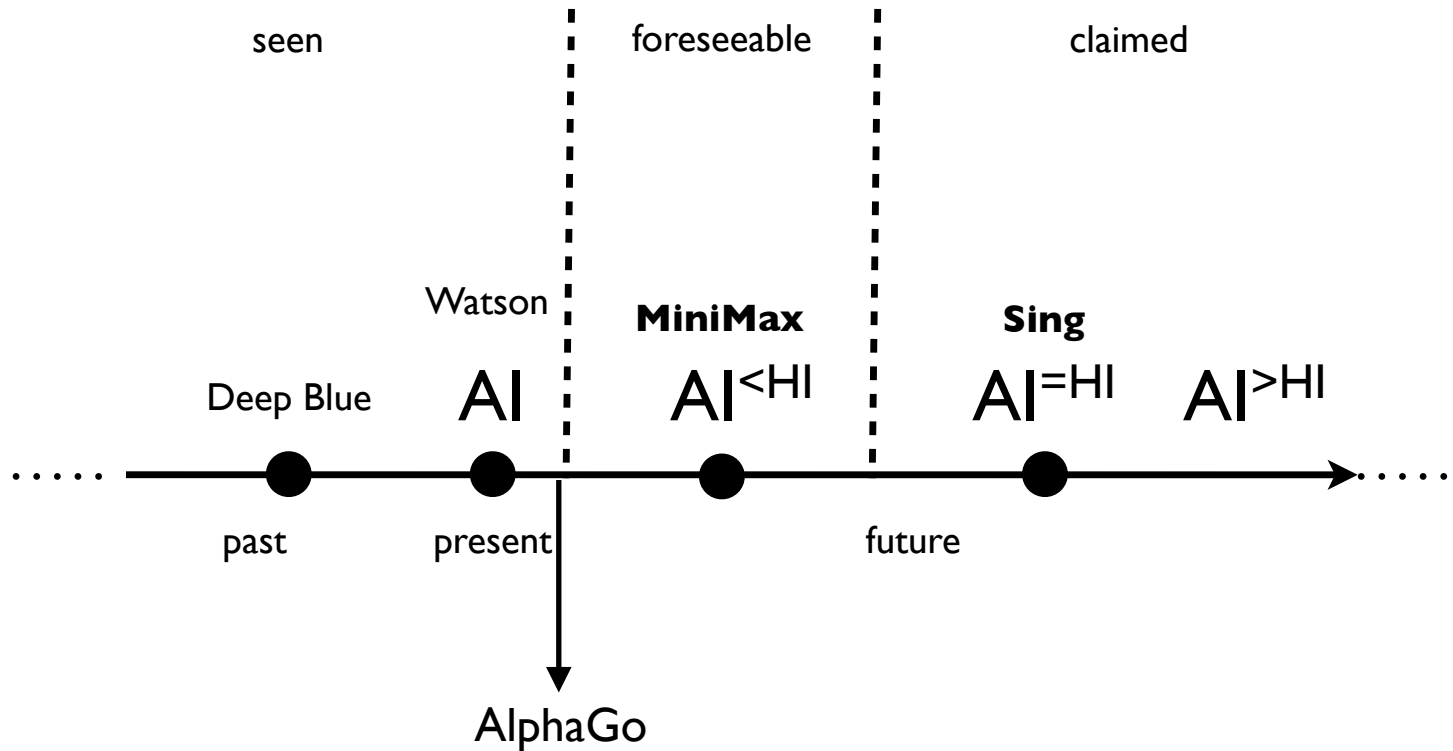
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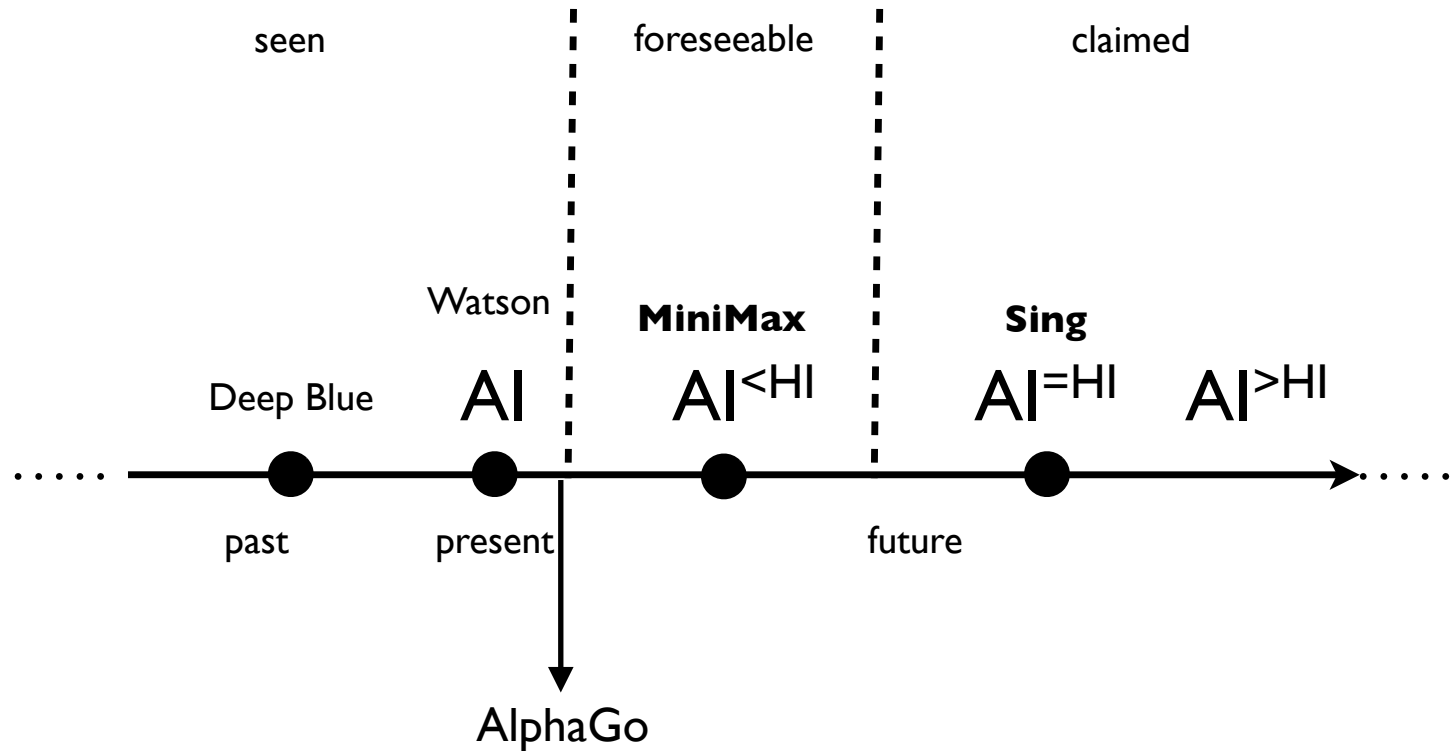
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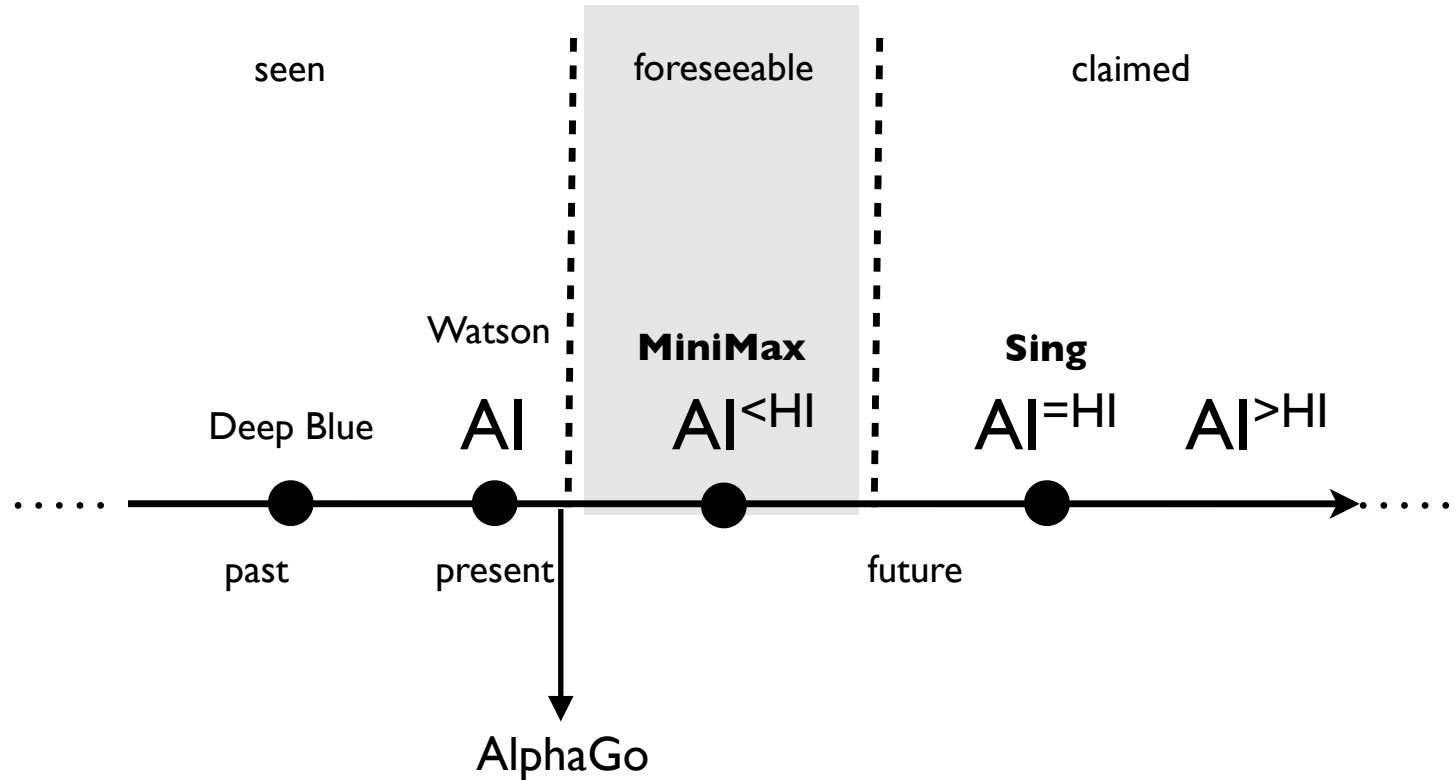
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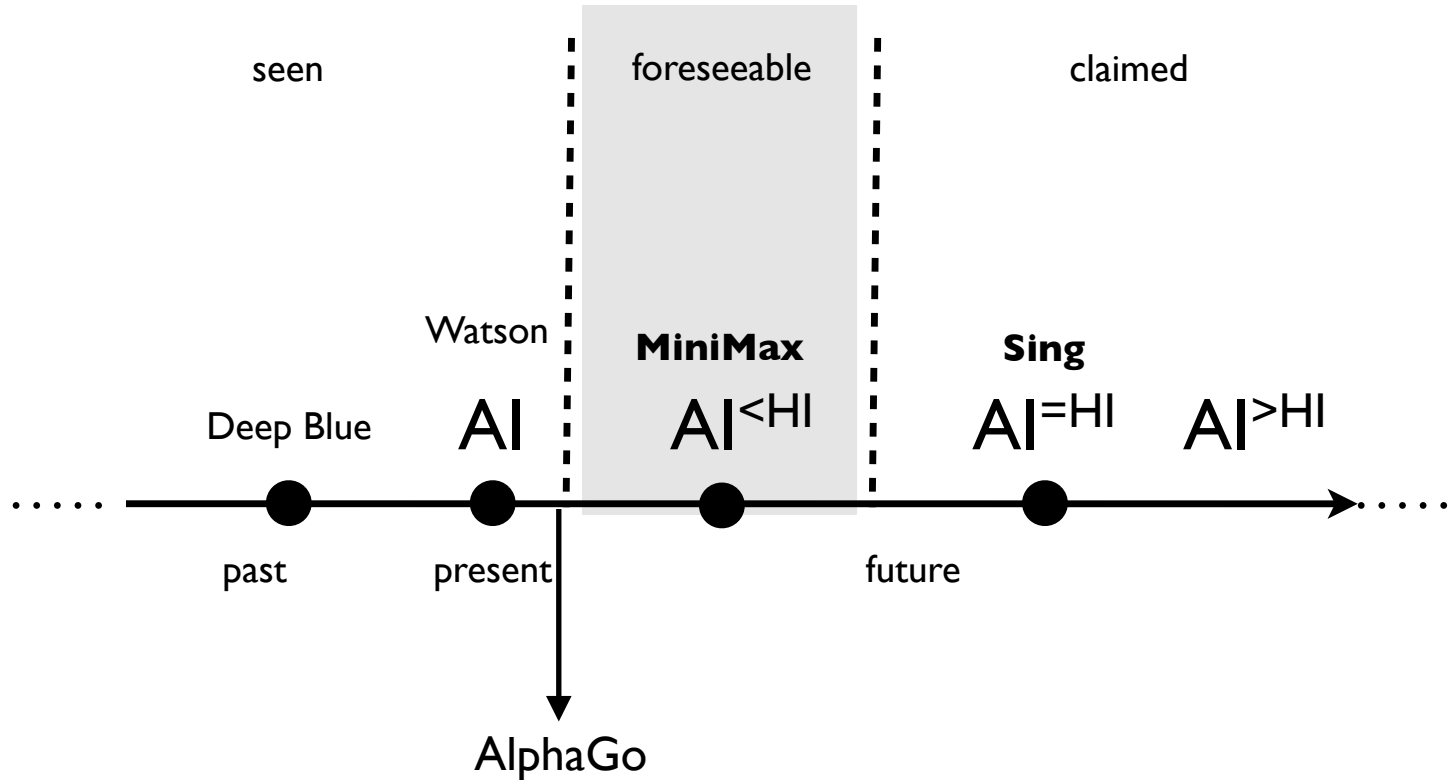
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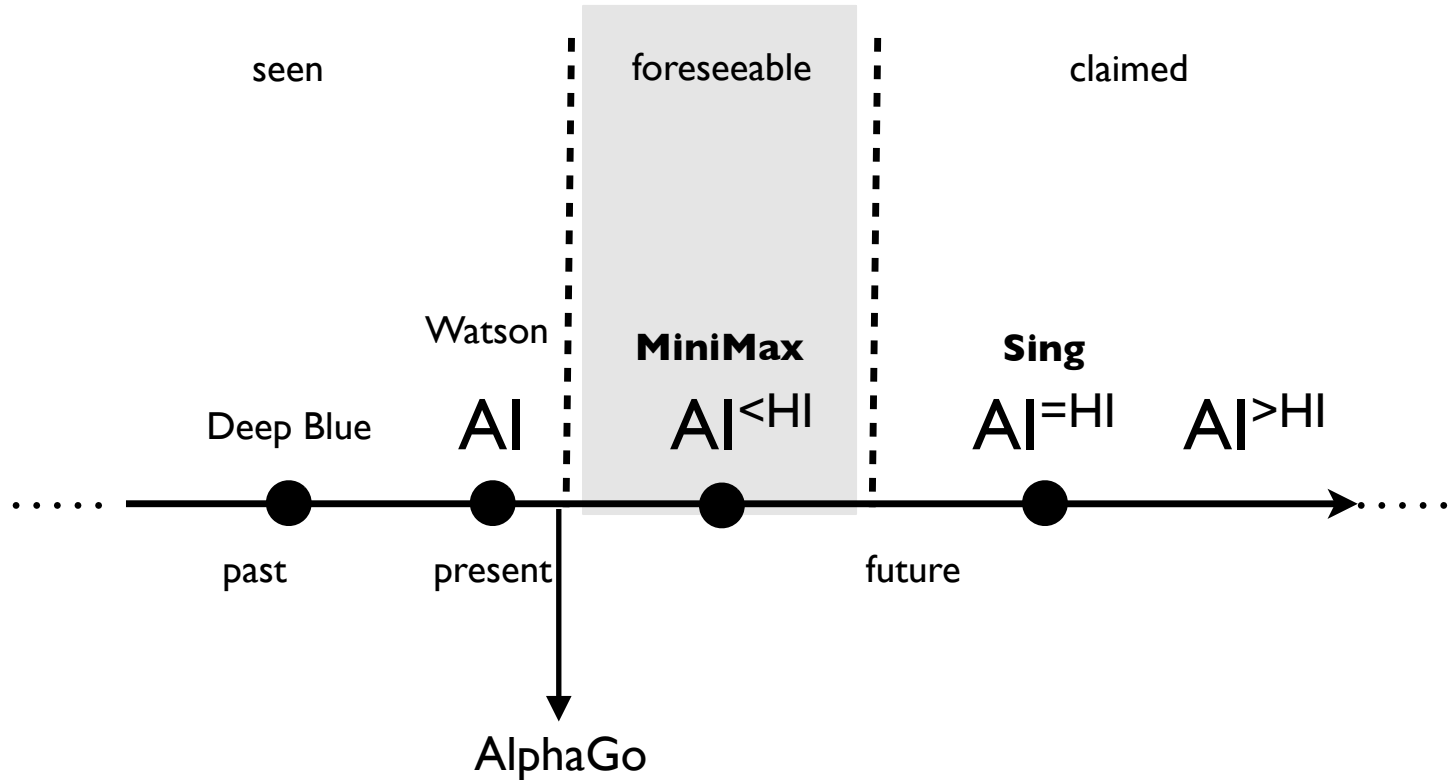
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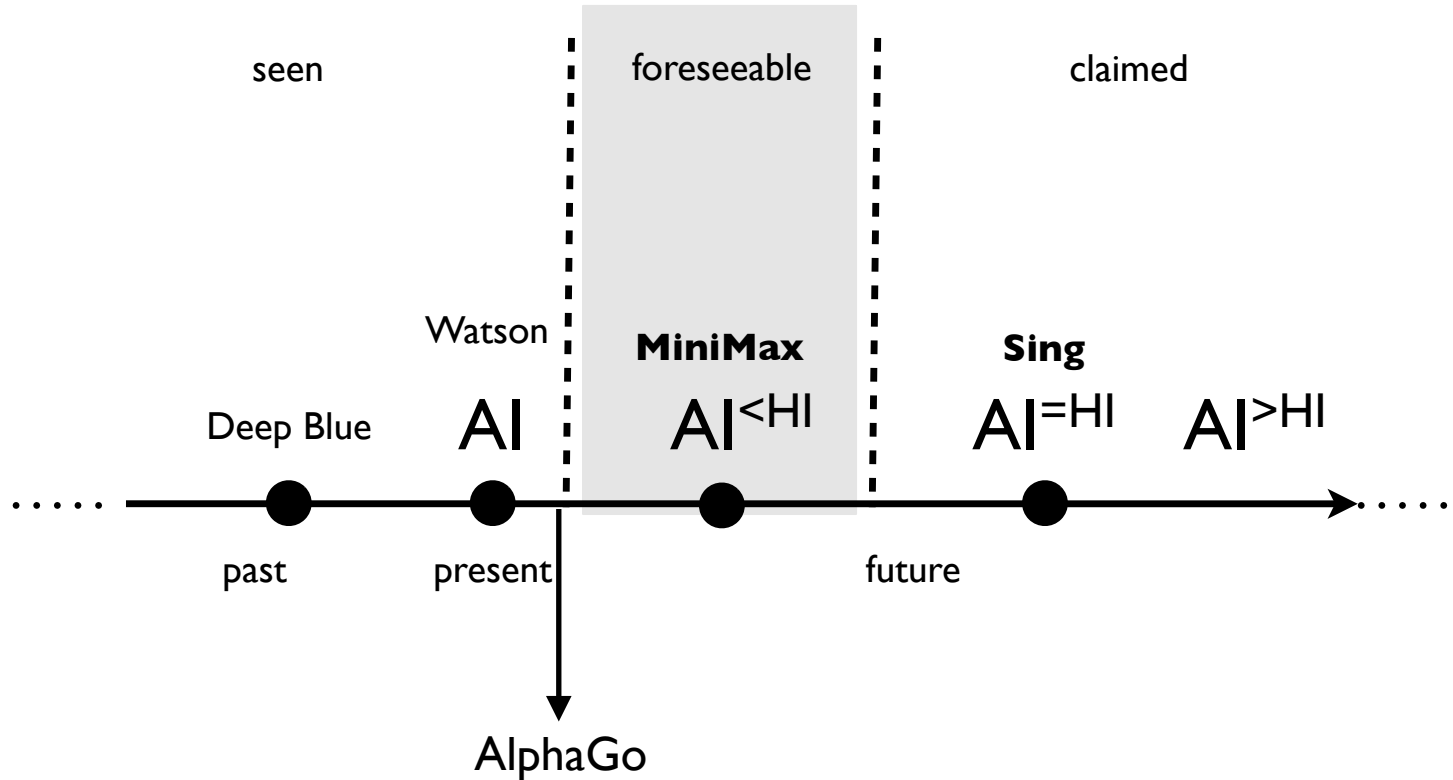
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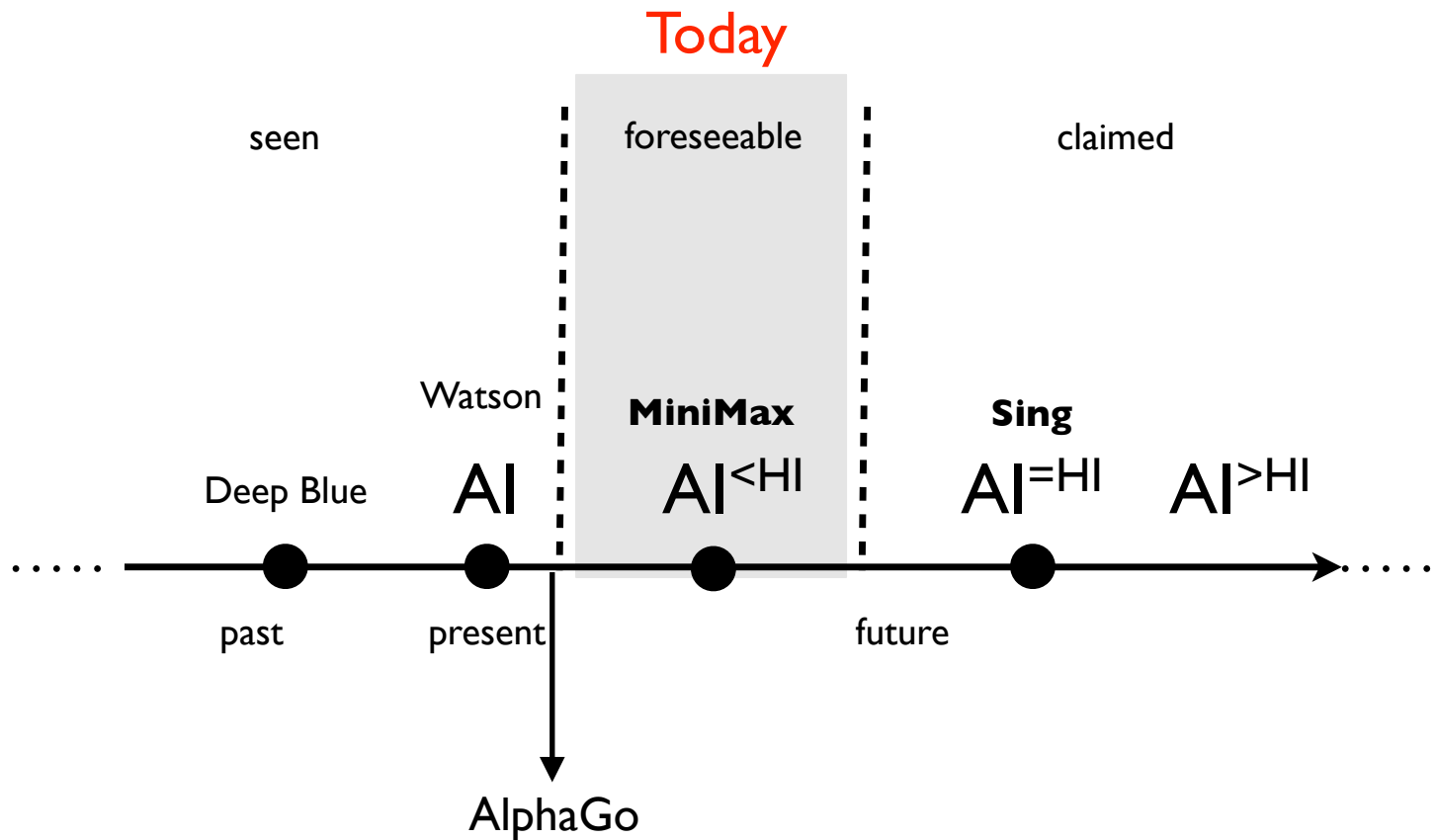


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# Recall Your Required (Quick) Reading

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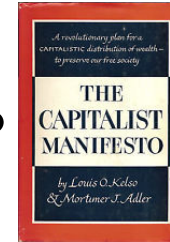
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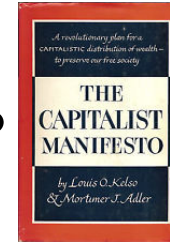
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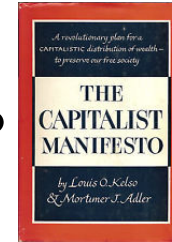
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“The view that an orgy of production is needed to keep our mixed capitalist economy functioning effectively is frequently stated in terms of an economic pie. We are told that the problem is not one of dividing up the economic pie, but rather one of making an ever larger pie. Neither is a correct statement of the problem. The task of a truly capitalistic society is to broaden the ownership of the pie-making machinery and to build a vast number of new pie-making machines that will be owned by people who do not now own such machines.”

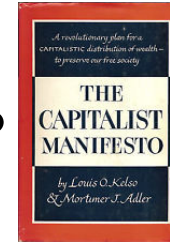
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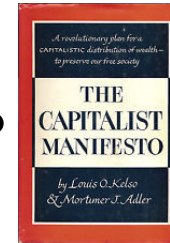
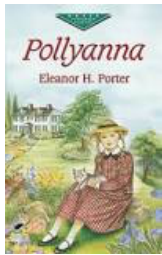


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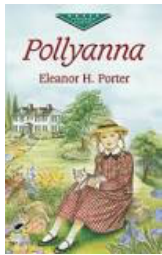
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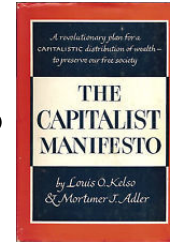
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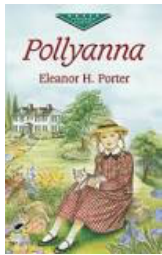
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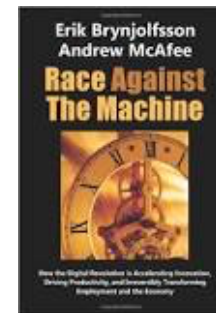
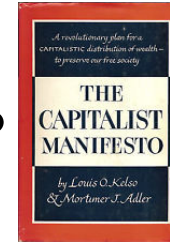
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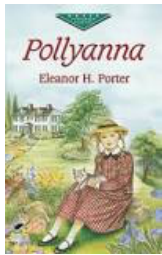


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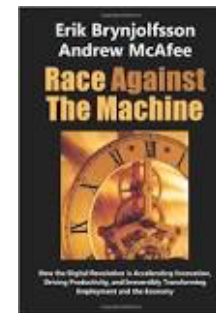
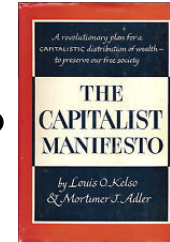




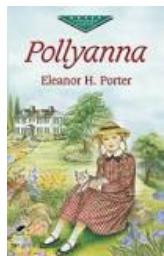
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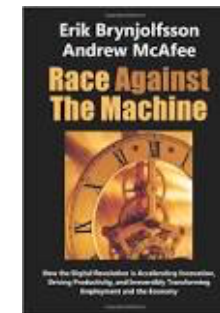
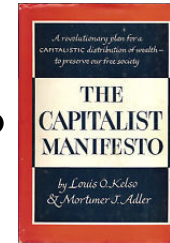
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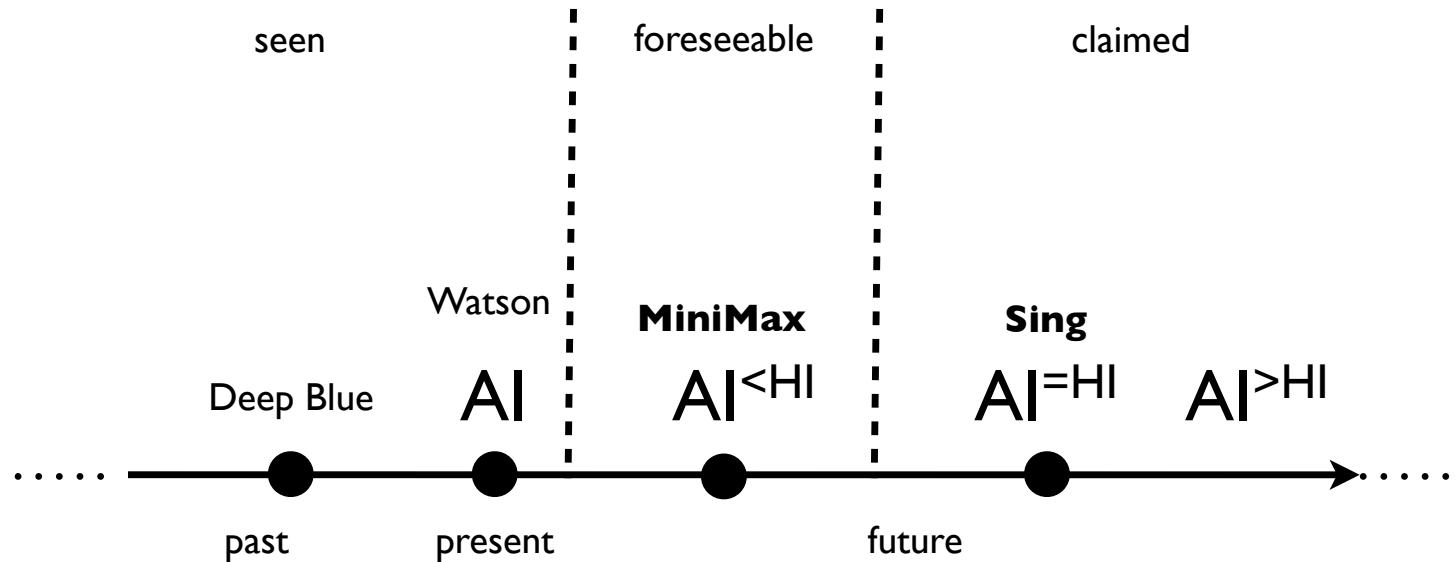
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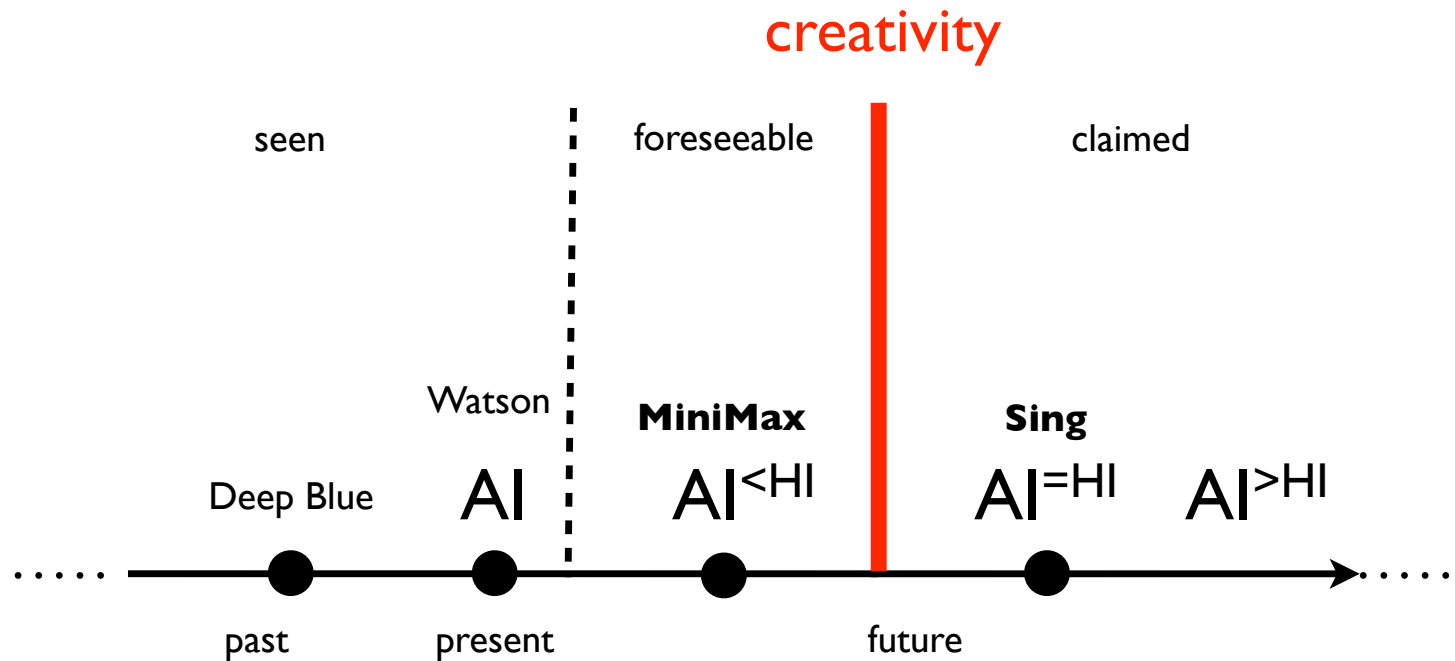
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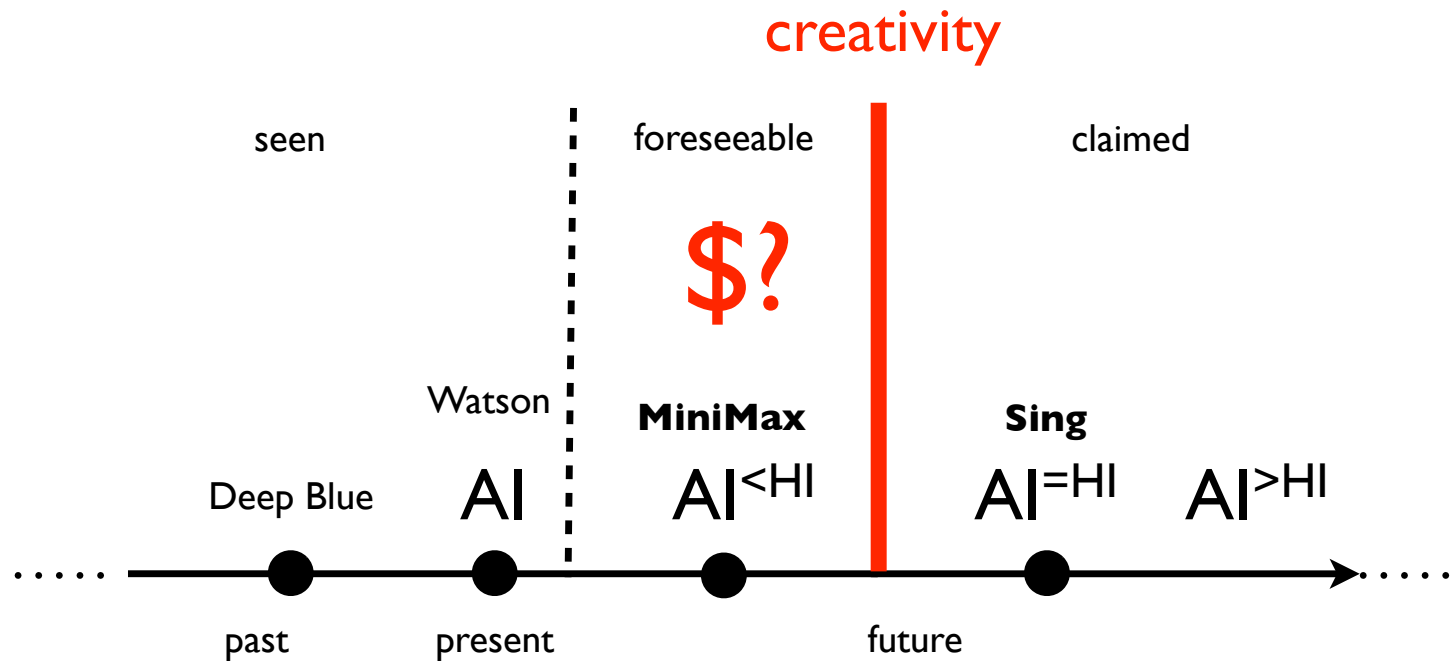
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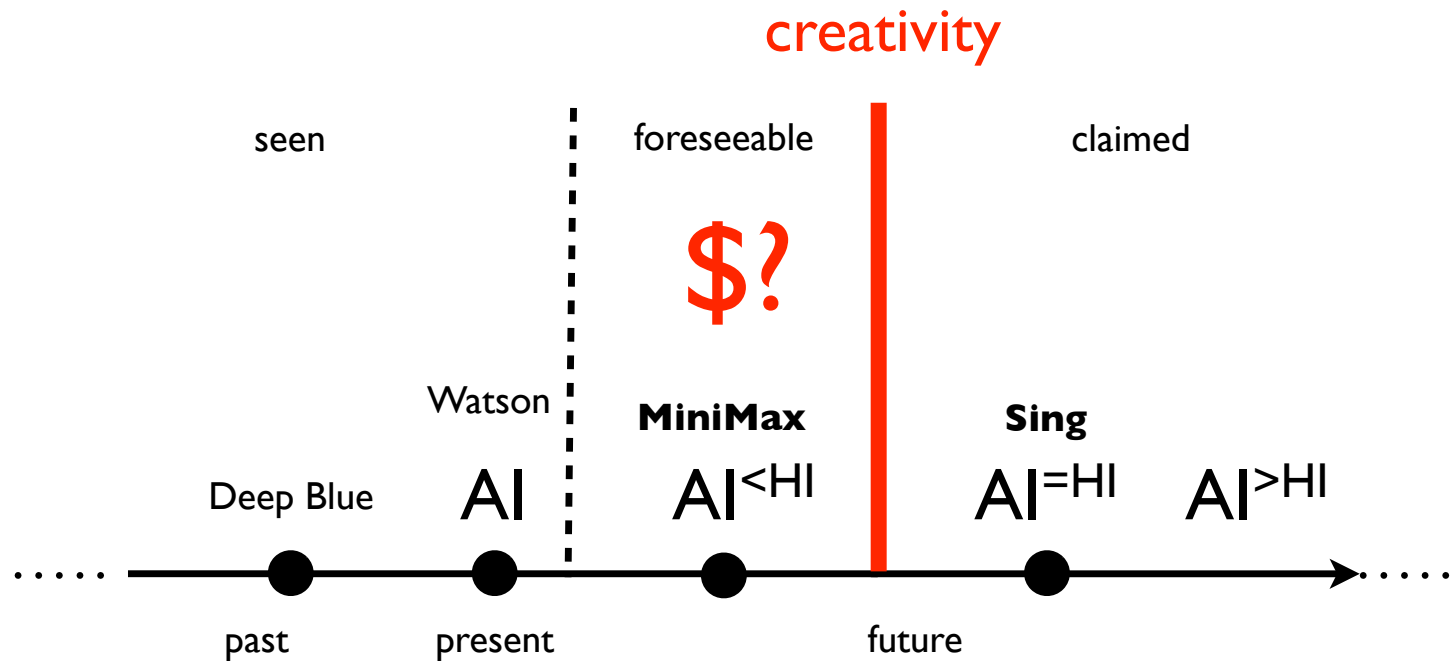
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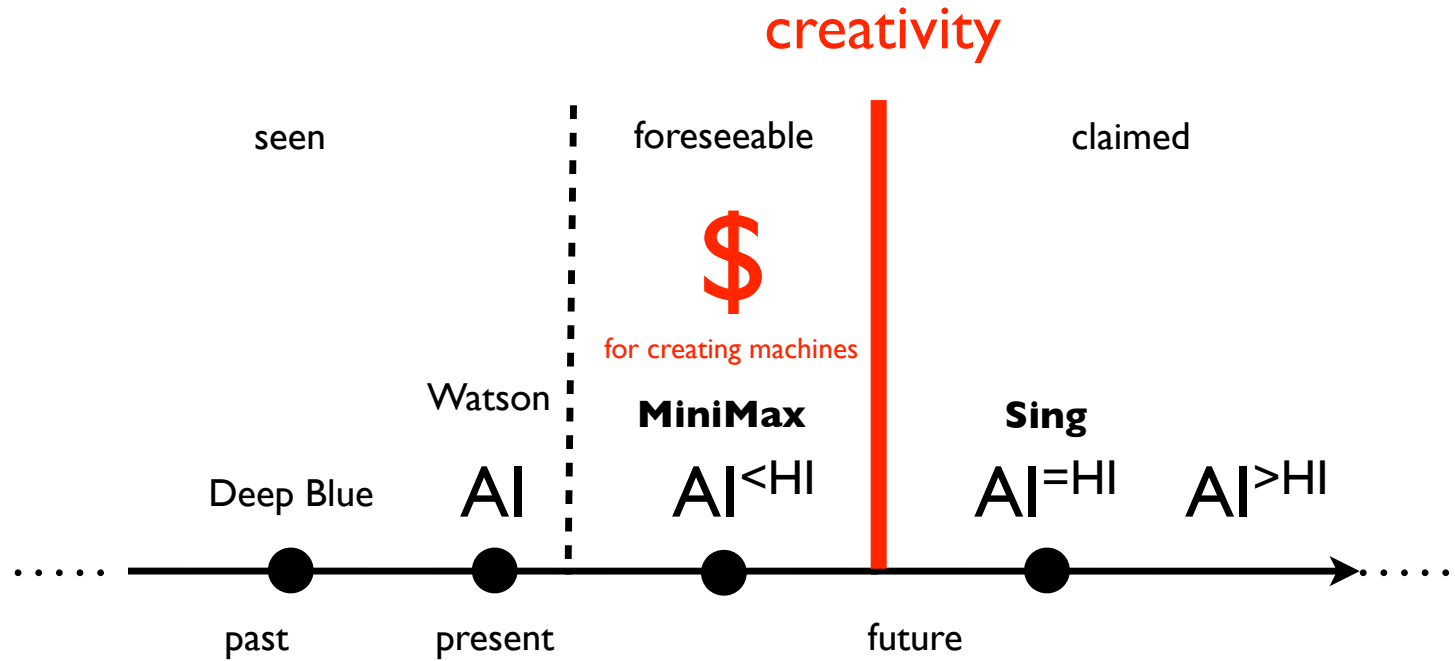
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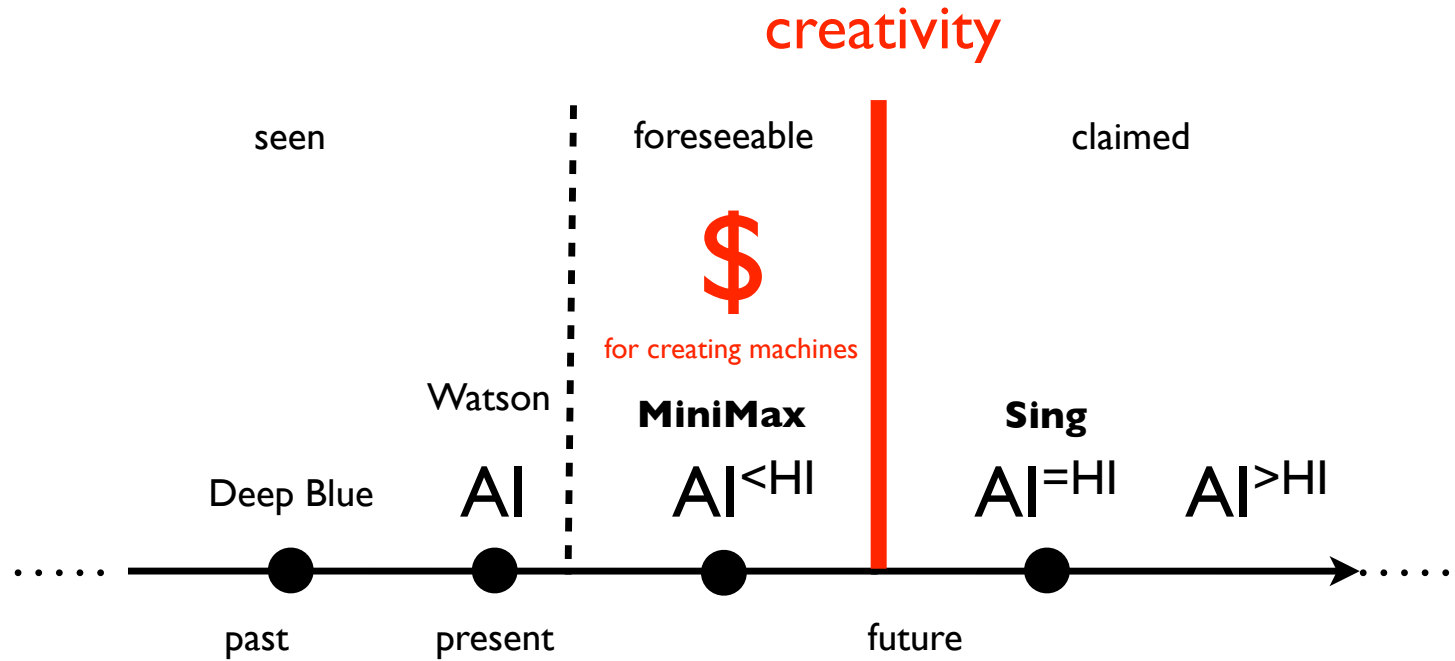
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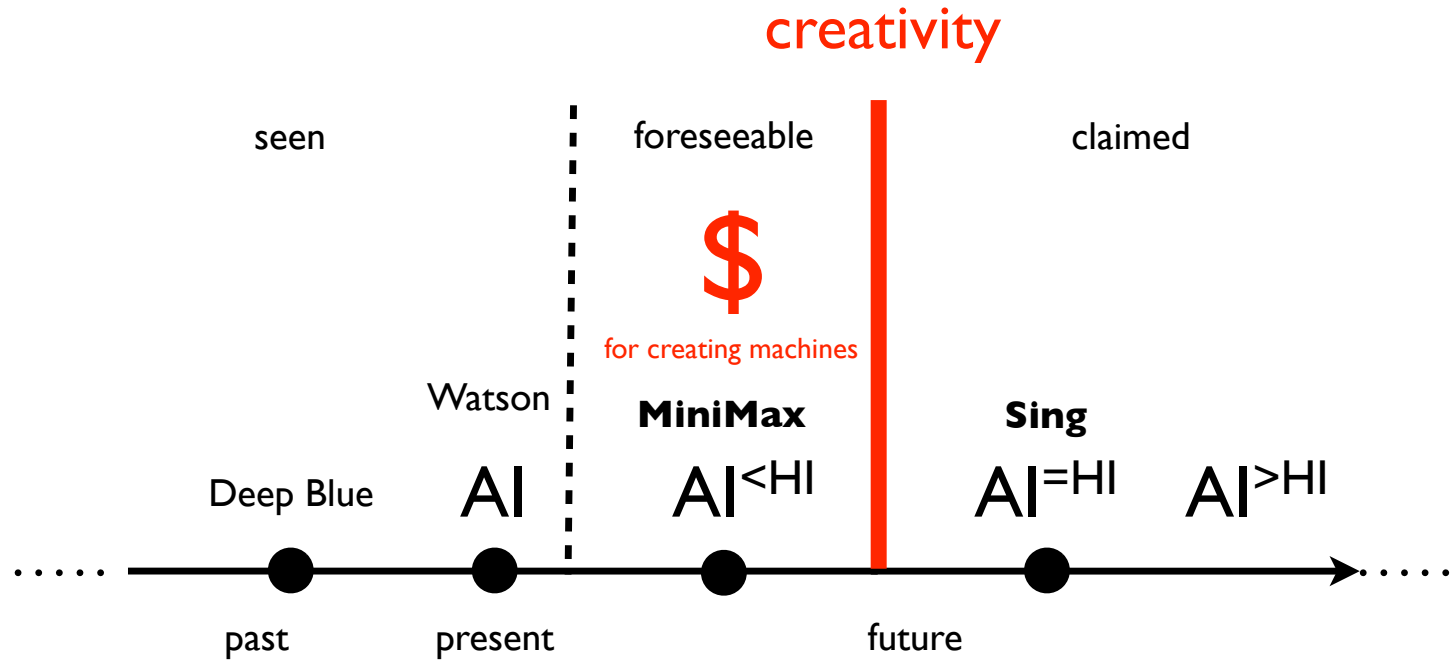


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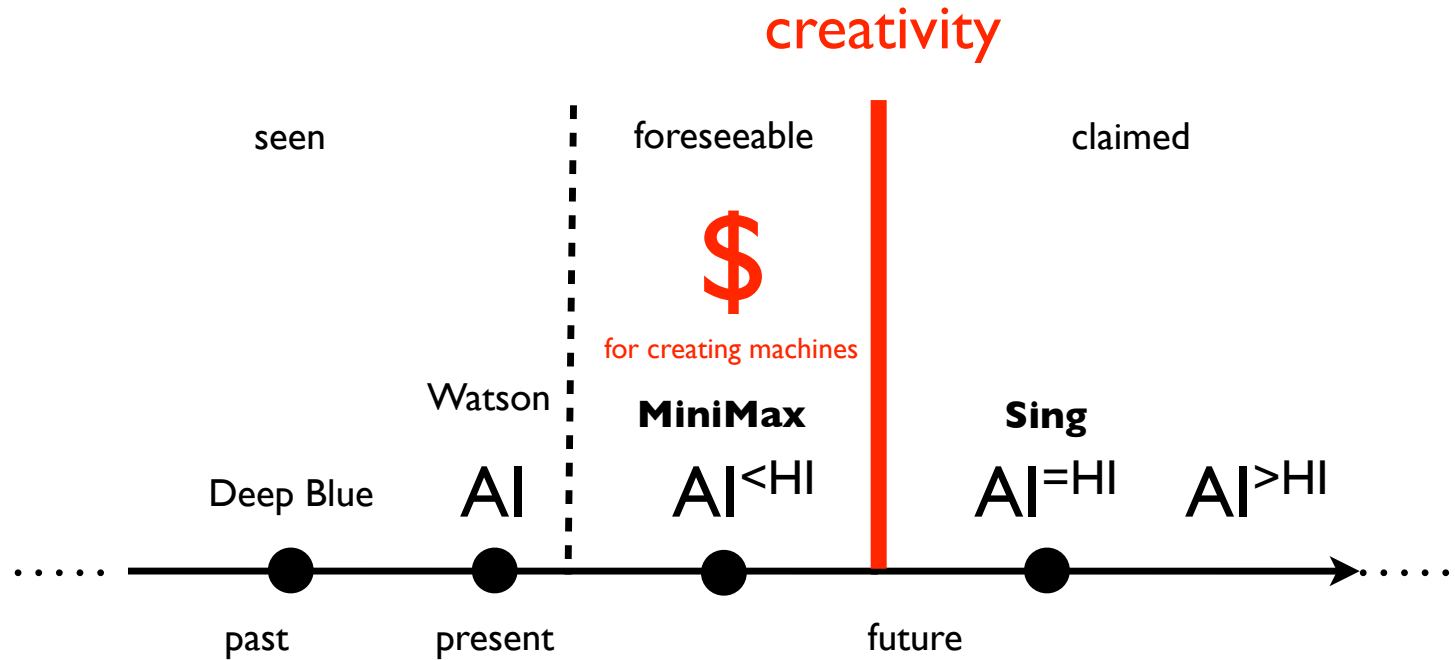


# A Realistic Timeline



Worth Reflecting Upon

# A Realistic Timeline



## Worth Reflecting Upon

To simplify, let's suppose that machines fundamentally compute functions. Very well. Now let  $f$  be some arbitrary function that at least appears to be machine-computable, accompanied with a suitable description  $D$  of  $f$ ,  $D$  expressed in *our* language(s). How hard is it to create a machine  $M$  that computes  $f$  given this info? Is it so hard that humans in the professions devoted to such creation are safe?