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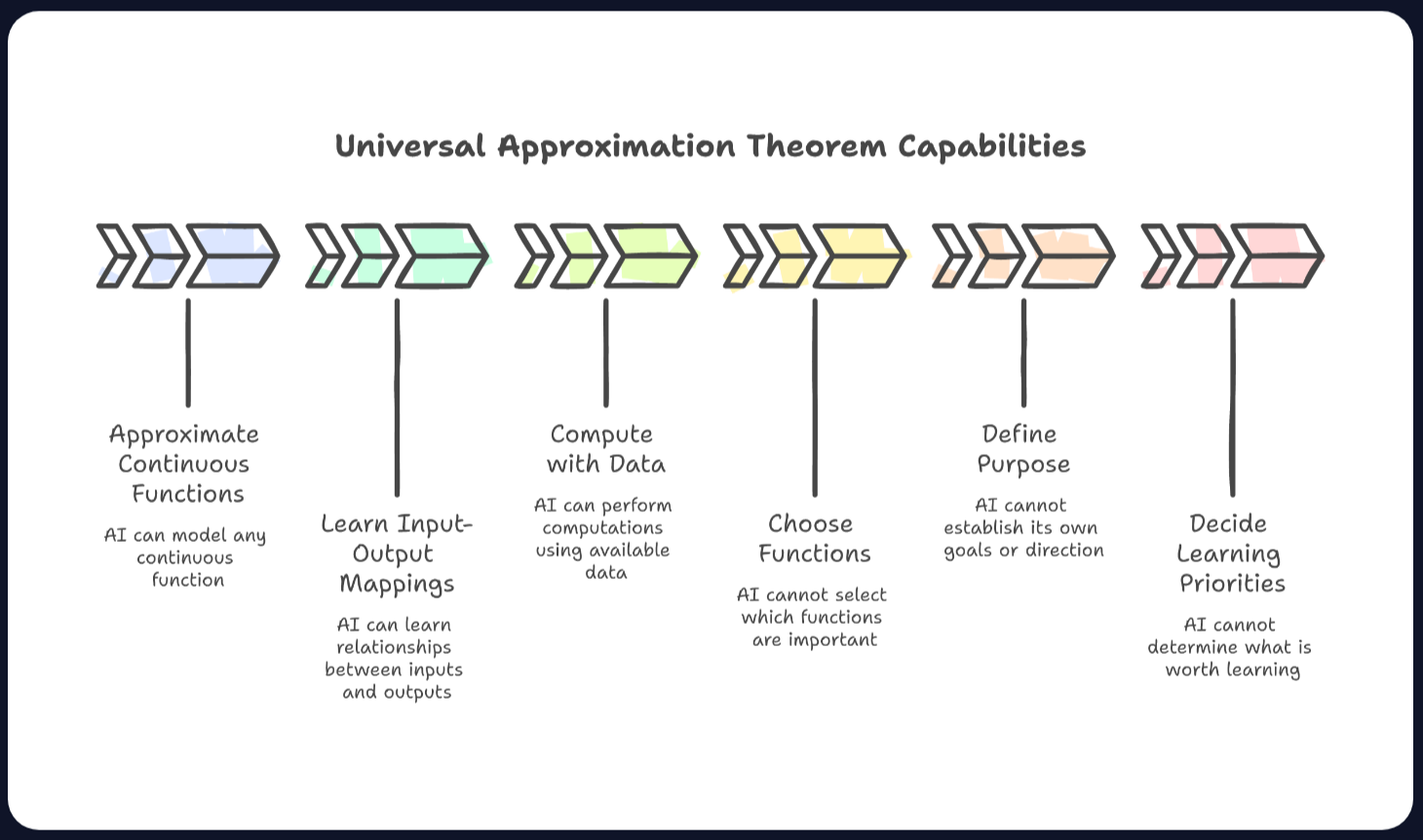
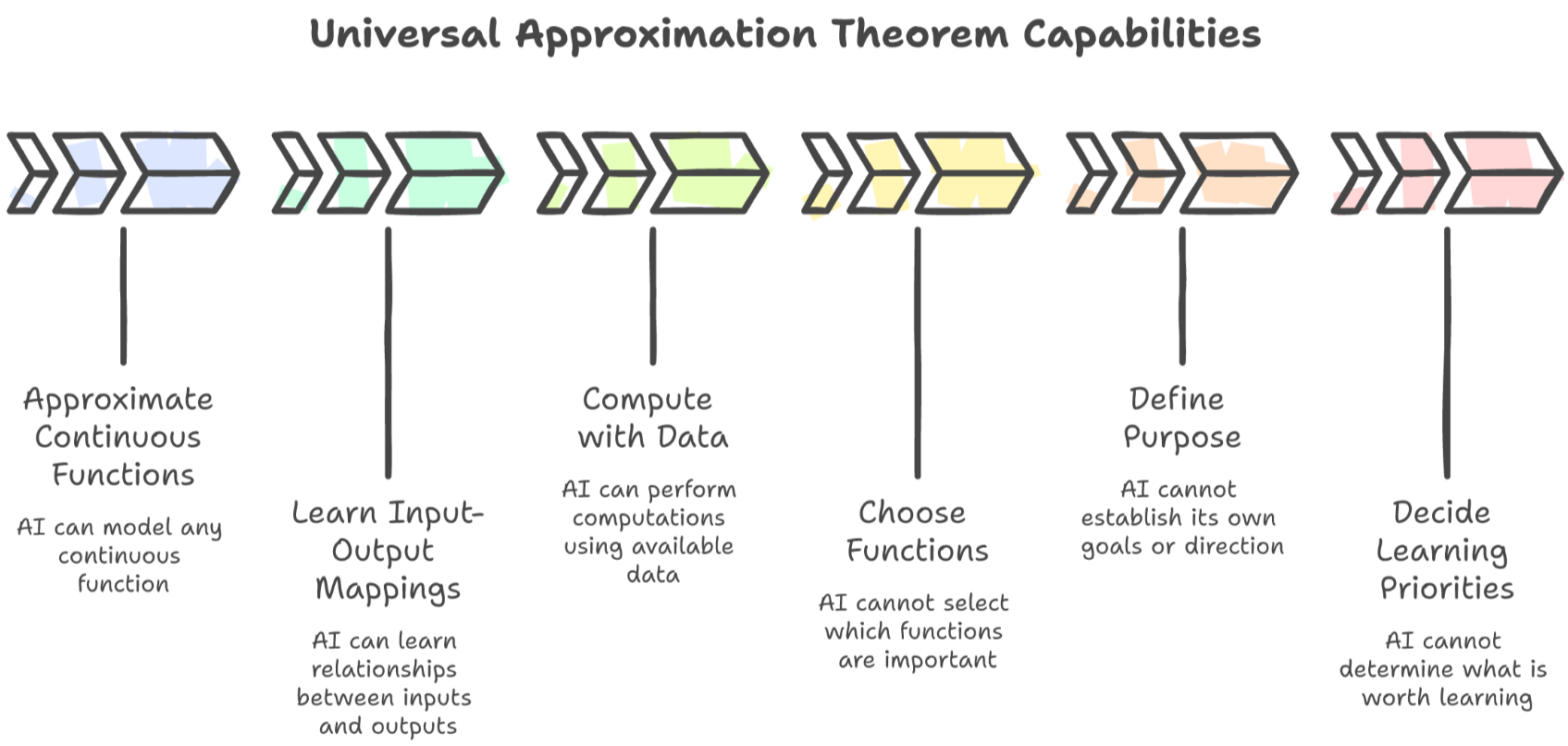
Your Job Is Not a Function

The Universal Approximation Theorem already describes which jobs AI can replace. It also describes, by omission, which ones it cannot.

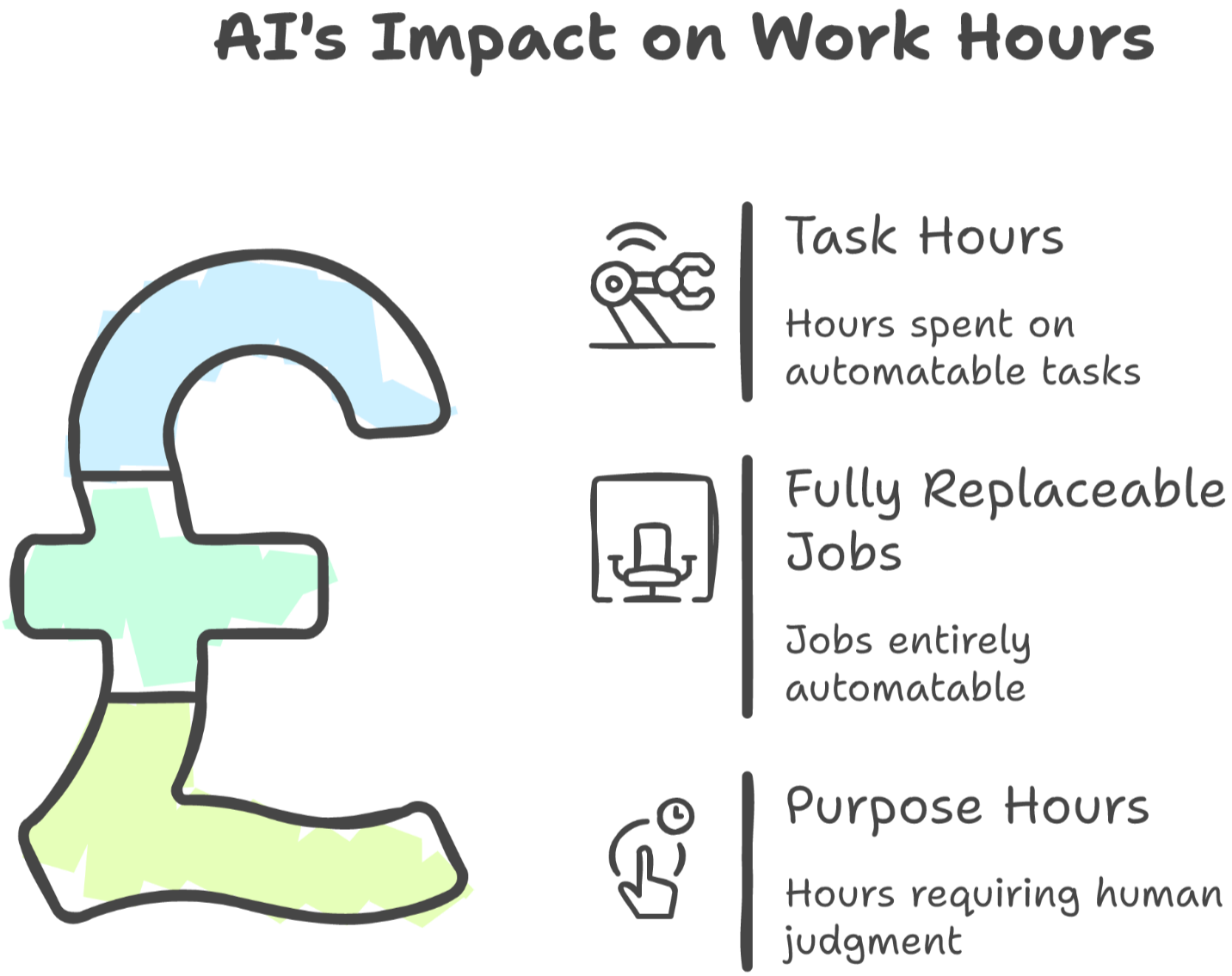


A 1989 proof changed everything



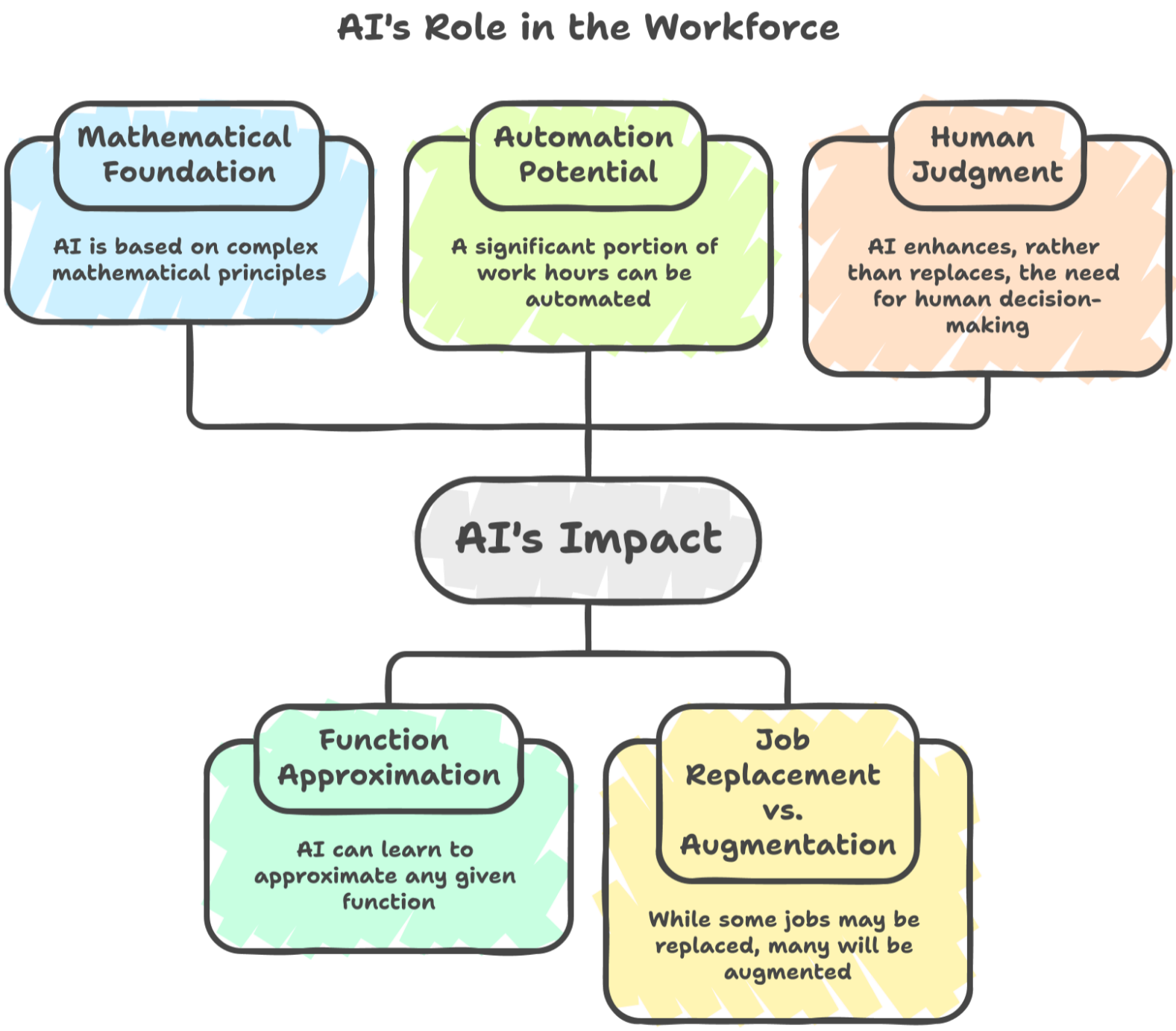
Cybenko proved a neural network can approximate any continuous function. If a task maps inputs to outputs through a learnable pattern, a network can learn it.

57% of work hours are automatable



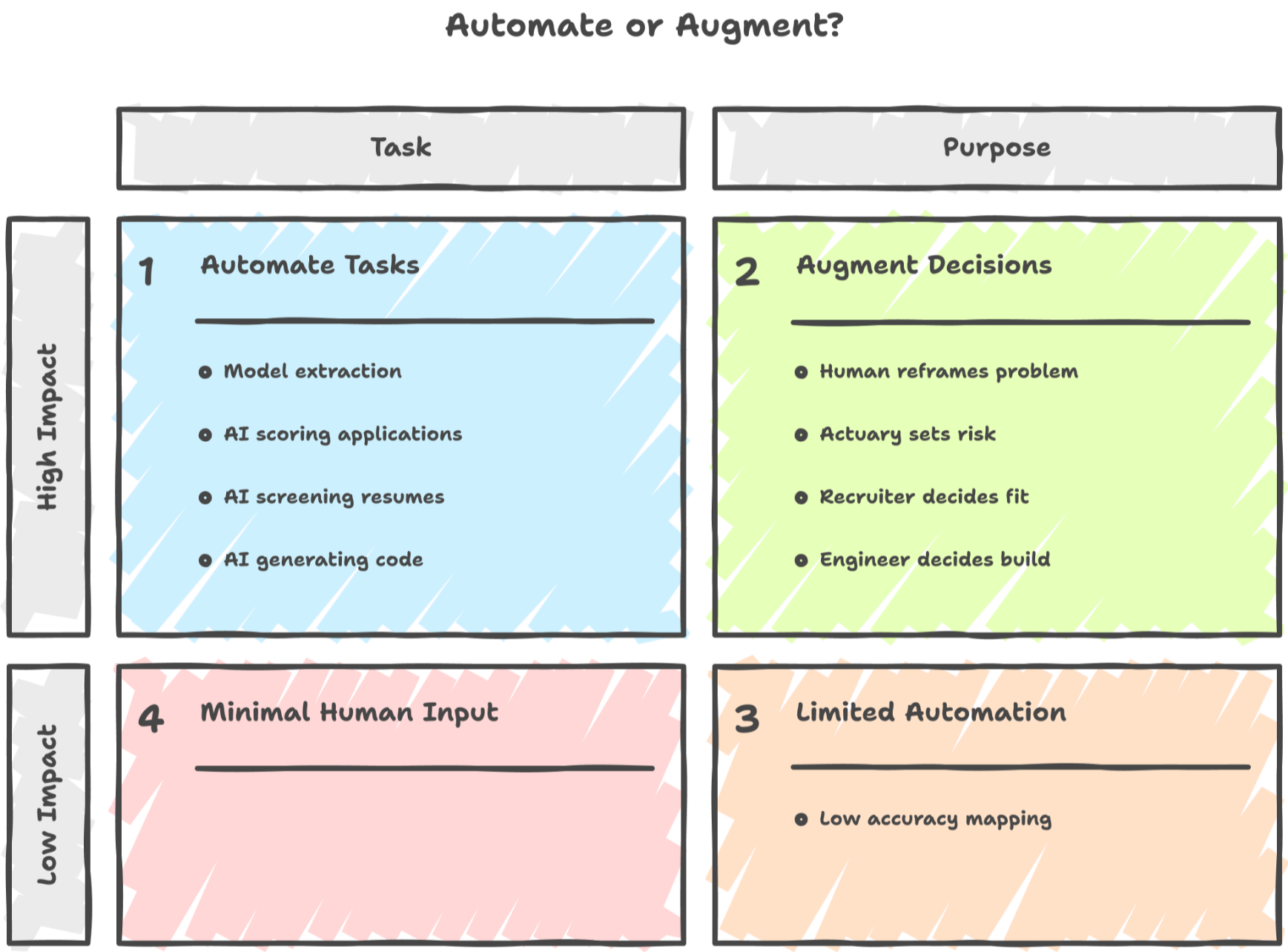
But fewer than 4% of entire jobs are fully replaceable. The gap between 57% and 4% is purpose.

Three fields, same finding



AI approximates functions. It does not approximate purpose. No theorem covers the question of which functions matter.

Task layer vs purpose layer

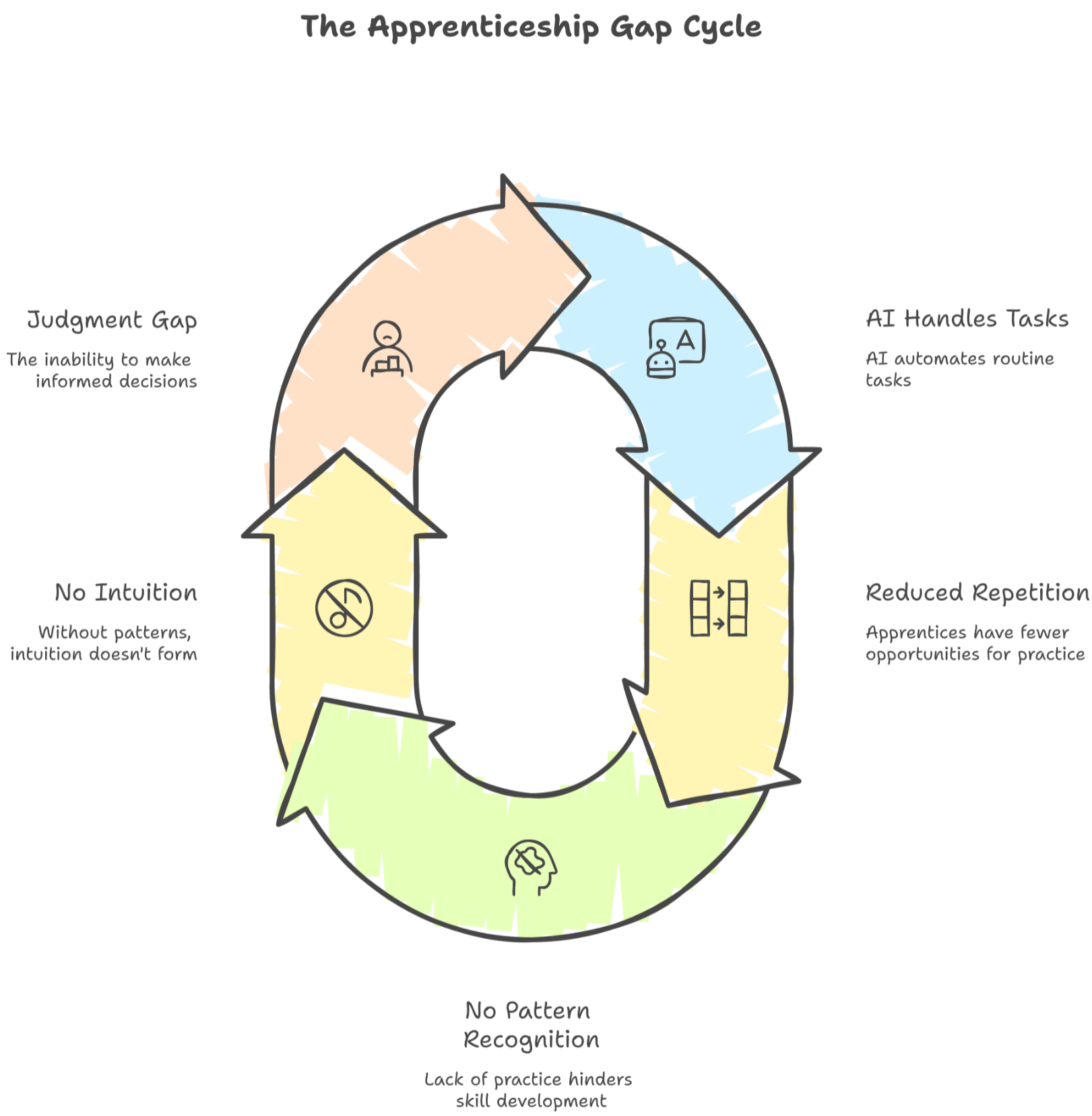


In extraction, credit risk, hiring, and software engineering: the function layer got cheaper. The purpose layer got more valuable.

This is a sorting function

If your job has purpose, AI is a 10x multiplier. If your entire job is a function, the theorem already has your number.

The real worry



Entry-level workers learn judgment by doing tasks. If AI handles the task layer, what is the apprenticeship path for purpose?

Read the full article

weeai.dev/blogs/your-job-is-not-a-function

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