Four states, two sensors

KanKaung has two IR sensors. Each is on the line or off it. That is four cases — not one decision.

Left IR	Right IR	Meaning	Left wheel	Right wheel
ON	ON	centred	forward	forward
OFF	ON	drifted right	slow	forward
ON	OFF	drifted left	forward	slow
OFF	OFF	lost	stop	stop

Write it by hand

The table you write in Term 2 is the program you run in Term 3. Keep the original — corrections are the evidence.

Then draw it

One diamond per row, chained. The **order** of the diamonds is part of the design; the table cannot show order.