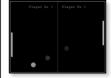
Visual-centric capabilities

Higher level reasoning



Identify the position of objects

Model Reasoning: The trophy is in front left of



Tracking

Track the object's trajectory

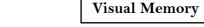


Timing

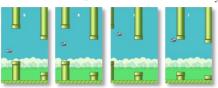
Choose right timing to action



Model Reasoning (P1): Mario should jump now to reach the platform...



Store visual information in memory



Model Reasoning: I should understood the jump height from the bird's leap...



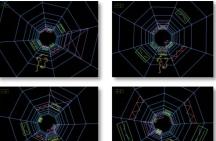
5 GAMES 30+ LEVELS

Long-Term Reasoning



Model Reasoning: There's a coin on the high platform on the right. I remember Mario can reach it by jumping from the starting point on the left...

Deliberation



Model Reasoning: In the next steps, I can wait for the right-side obstacle to pass, then move right, and move again to the right to avoid the green obstacle before it reaches me.

If a new obstacle appears in the subsequent observations, I should reconsider my strategy...

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