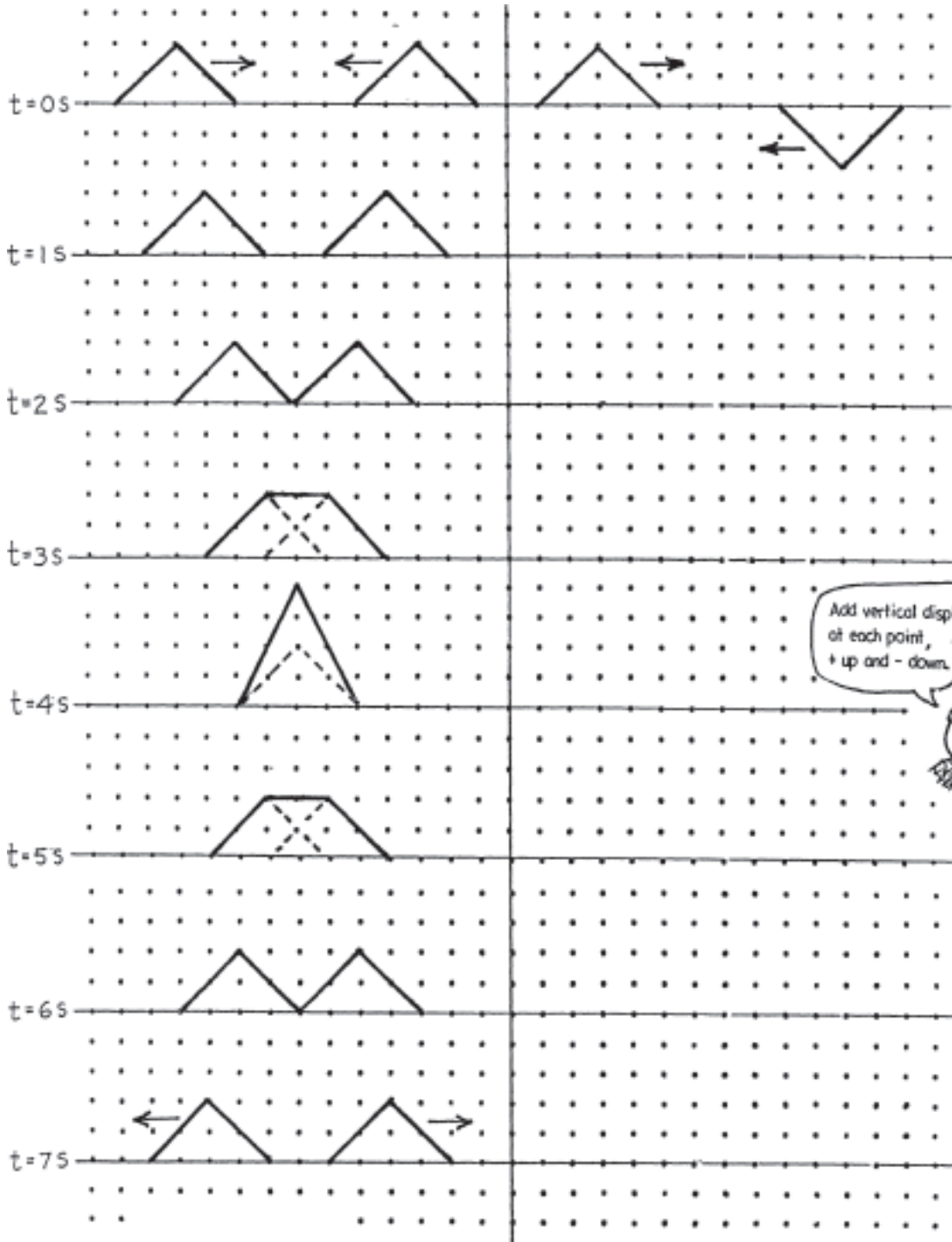


Concept-Development Practice Page **25-3**

Wave Superposition

A pair of pulses travel toward each other at equal speeds. The composite waveforms as they pass through each other and interfere are shown at 1-second intervals. In the left column, note how the pulses interfere to produce the composite waveform (solid line). Make a similar construction for the two wave pulses in the right column. Like the pulses in the first column, they each travel at 1 space per second.

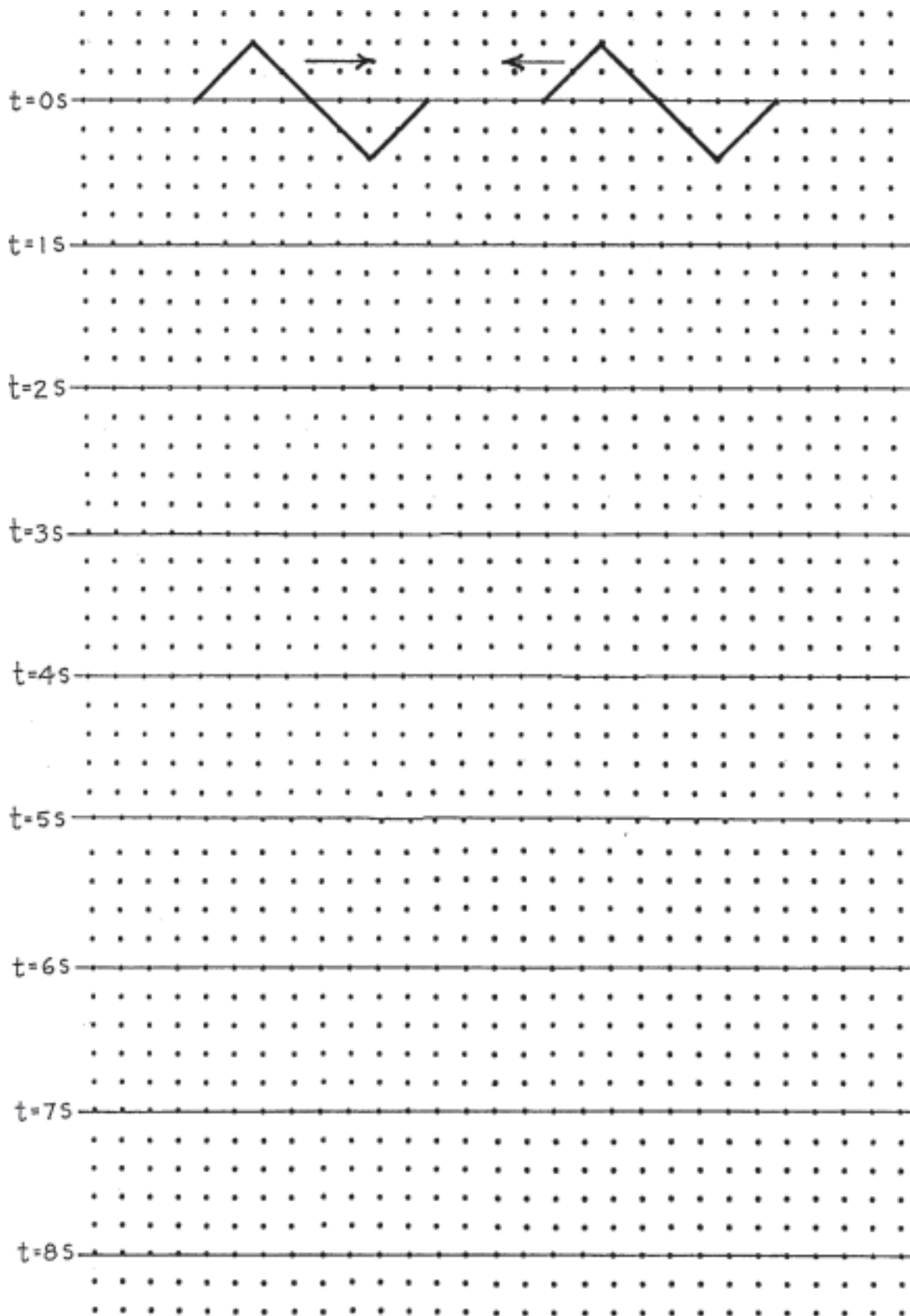


Add vertical displacements of each point, + up and - down.

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thank to Marshall Ellenstein

Construct the composite waveforms at 1-second intervals for the two waves traveling toward each other at equal speed.



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CONCEPTUAL PHYSICS