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graph BT; BALL_POINT --> CONSTANTS
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CONSTANTS

BALL\_POINT

x: DECIMAL

y: DECIMAL

make\_from\_tuple2 (t: TUPLE2)

cue\_delta (dx, dy: DECIMAL)

**ensure** (x = **old** x + dx)  $\wedge$  (y = **old** y + dy)

**invariant**

$0 \leq y \leq \text{length}$

$0 \leq x \leq \text{width}$