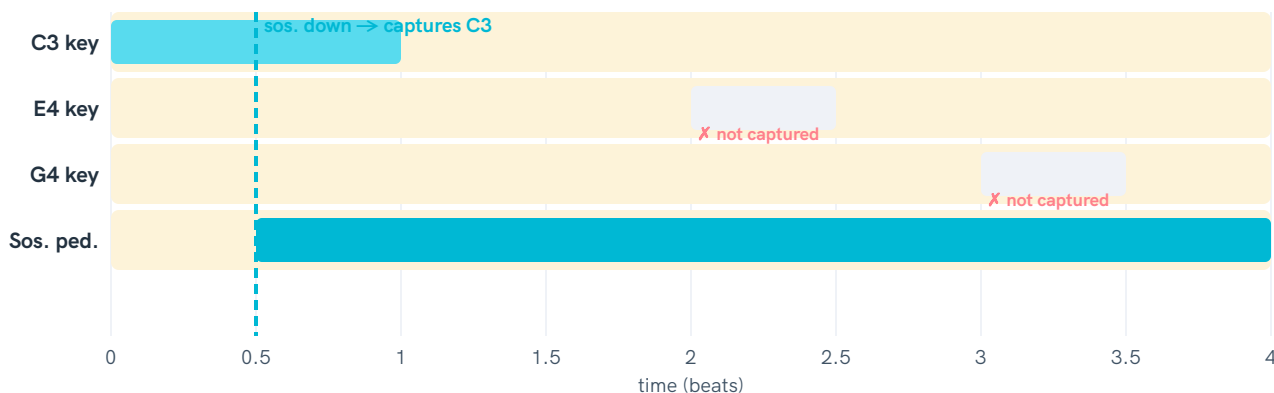


Catch This Note, Not the Next

The sostenuto pedal captures only keys **already held** when it goes down. Keys pressed later are not captured, even though the pedal stays down.

1 · THE CAPTURE MOMENT — ONE BAR, THREE EVENTS

Time	Event	MIDI	Captured?
t=0.0	C3 key pressed	48	✓ Yes
t=0.5	Sos. pedal down	—	$K(0.5) = \{C3\}$
t=1.0	C3 released	48	rings via sos.
t=2.0	E4 pressed	64	✗ No
t=2.5	E4 released	64	—
t=3.0	G4 pressed	67	✗ No
t=3.5	G4 released	67	—
t=4.0	Sos. pedal up	—	C3 stops



Captured set $K(0.5) = \{\text{MIDI } 48\} = \{\text{C3}\}$ only. E4 (MIDI 64) and G4 (MIDI 67) arrive after pedal-down — not captured.

2 · THE BAR IN NOTATION — SOSTENUTO MODEL VS. DAMPER COMPARISON

SOSTENUTO MODEL

C3 held by sostenuto through bar. E4 and G4 short.



DAMPER COMPARISON

All three notes ring to bar end — no selectivity.



Mini-key: Hold the bass key first, then depress sostenuto, then play upper notes freely. E4 and G4 sound for their key-press duration only — exactly as if there were no pedal. The damper pedal makes no such distinction: it holds every string until released.



Listen: scan or visit tissimo.co/worksheets/piano-sostenuto-capture-timeline
Sostenuto model & damper comparison · $\text{♩} = 60$

Self-check: Captured set = {C3 only} = {MIDI 48}. Later E4 (MIDI 64) and G4 (MIDI 67) are NOT captured. Sostenuto selects by what is held at pedal-down; the damper pedal lifts every damper indiscriminately.