Elements or page entering or leaving screen
Elements or new page entering the screen occur no more than 220ms, ease out. Elements or current page leaving the screen occur no more than 190ms, ease in. Entering and leaving path should move along a single axis (either horizontally or vertically). Page enters and leaves screen occurs when page transtions are easy to understand and there is hierarchy between the pages.

	0 ms	Maximum 190ms	Maximum 220ms
Entering screen			Ease out
Leaving screen			Ease in
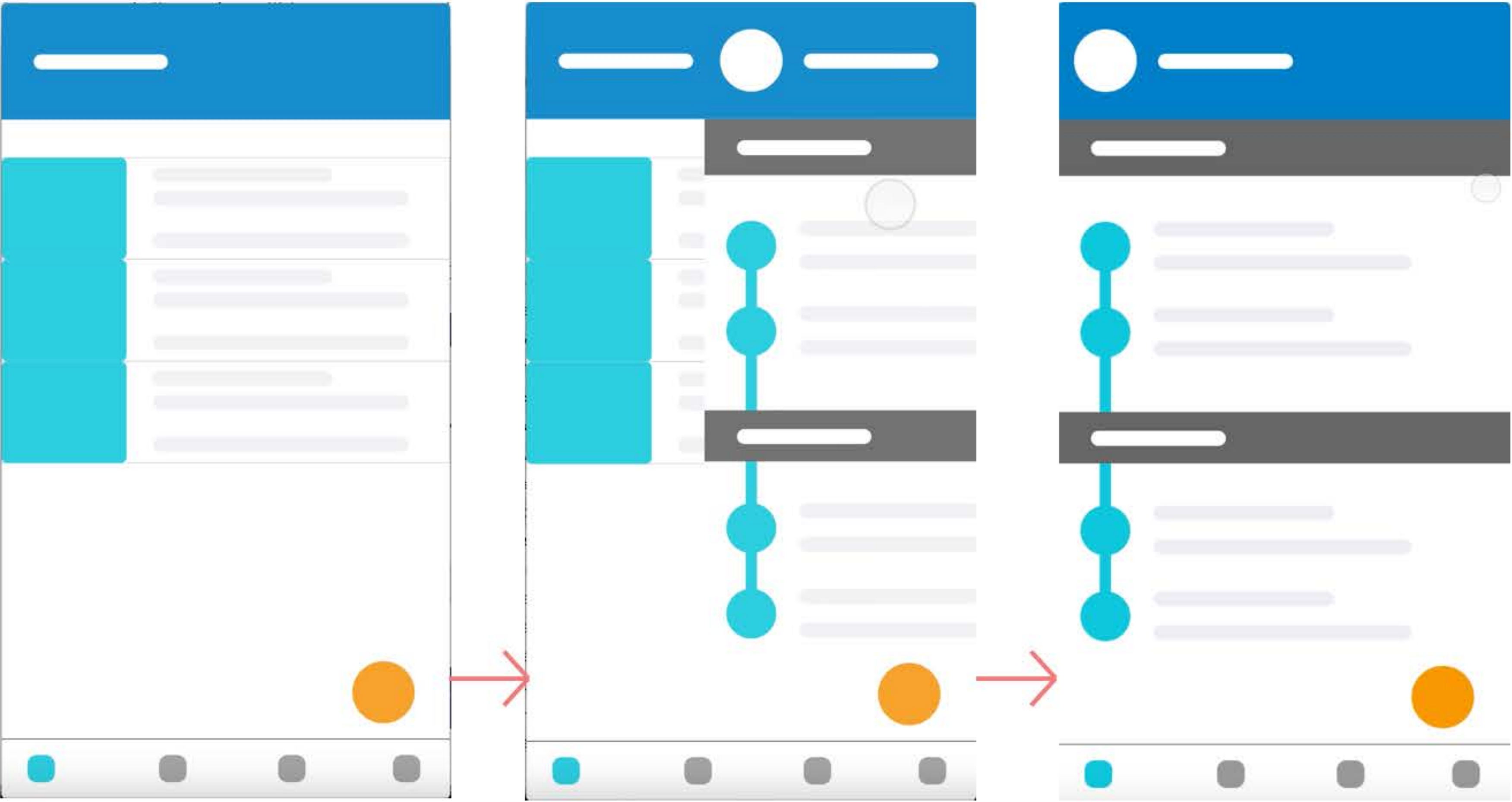
Elements move within screen bound

Elements move within screen bound occurs no more than 400ms. The movement should be ease both. When an element moves up, the path of the movement should be arc upward. When an element moves down, the path of the movement should be arc downward. Elements move within screen bound occurs when share elements move in page transition.

	0 ms	Maximum 400ms	
Move within screen bound			Ease both
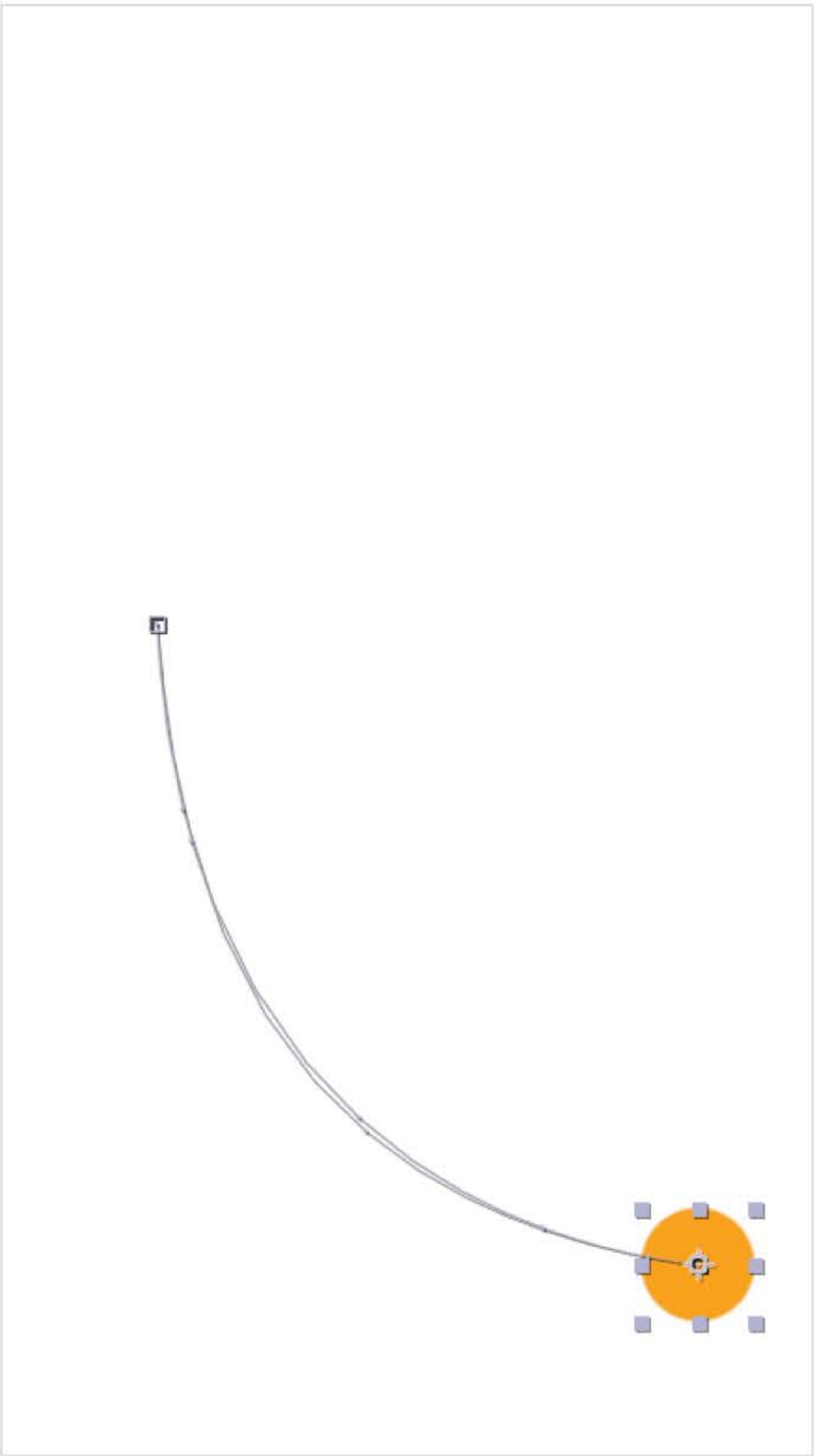
Elements entering or leaving screen that move other on screen elelents

Elements entering or leaving screen that move other on screen elements do so along a ease both curve, so that they will stay in same pace and avoid disruption.

https://concur.ent.box.com/files/0/f/31650297268/1/ f_195544764893

0
ms

Maximum
400ms

Move within
screen bound

Ease both
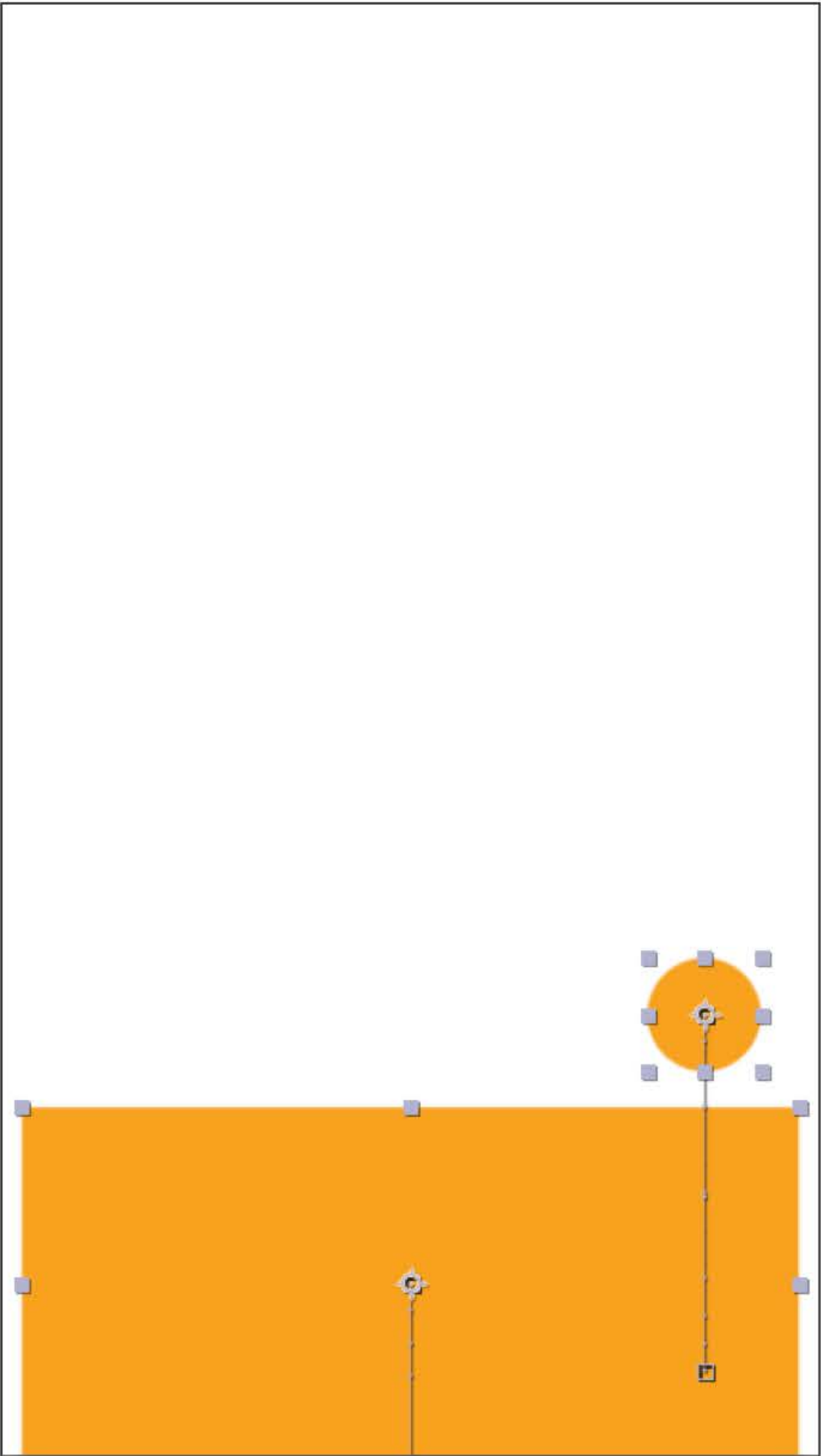
Elements on current screen disappear (opacity change from 100% to 0%) occurs in 50ms. Elements on next screen appear (opacity change from 0% to 100%) occurs in no more than 350ms. Elements disappear (opacity change from 100% to 0%) could be combined with scale or movement.

Elements disappear/appear with movement
When combined with movement, the movement path should be a single axis and the distance should be10pt/dp, ease in when disappear not matter the direction while each out when appear no matter direction.

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		0 ms	50 ms		Maximum 400ms
Disappear	Opacity		change from 100% to 0%		Ease in
	Move		move 10pt/dp along a single axis		Ease in
Appear	Opacity			change from 0% to 100%	Ease out
	Move			move 10pt/dp along a single axis from 0% to 100%	Ease out
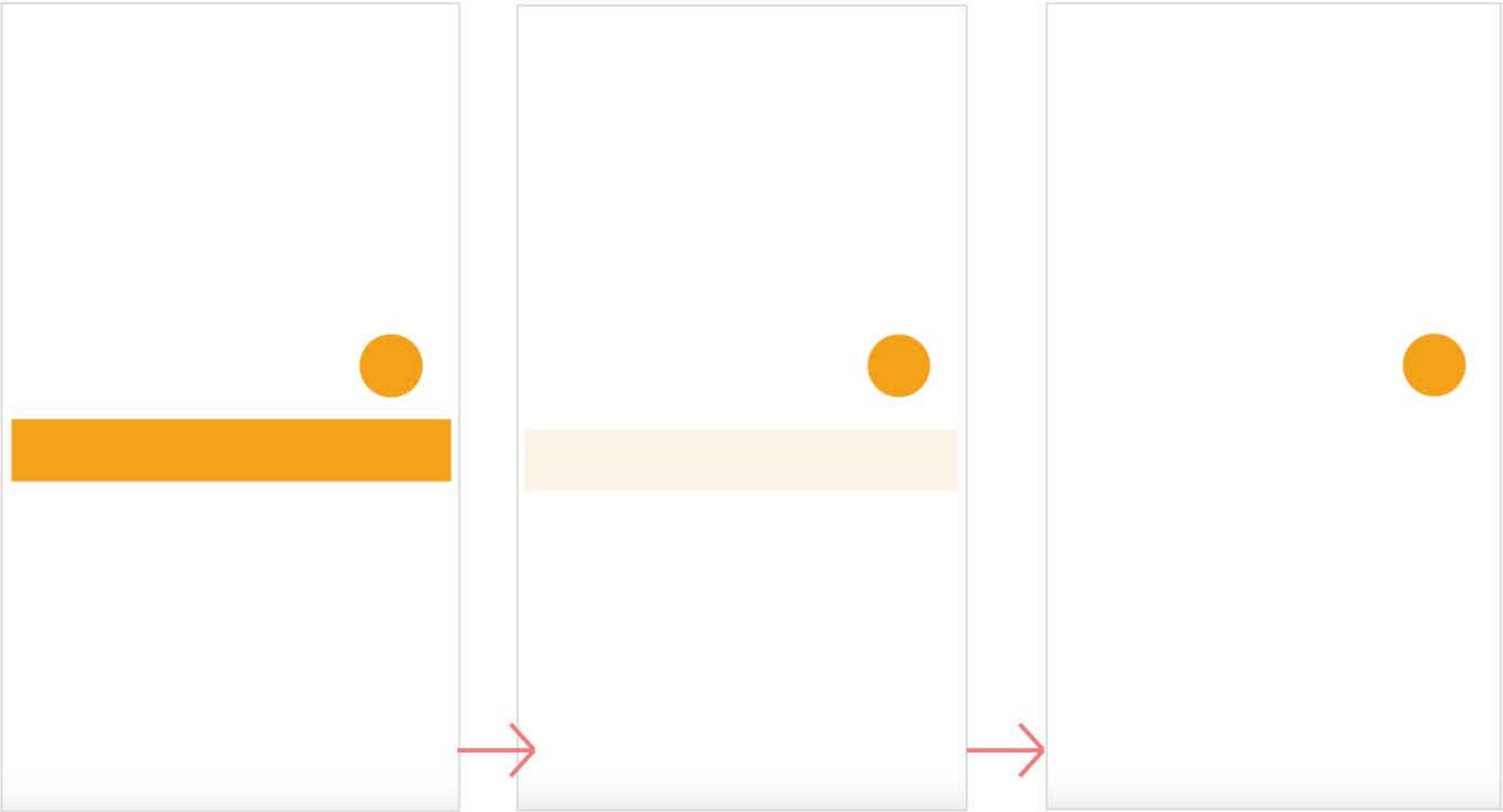
Elements disappear/appear with scale

When combined with scale, it should scale down when 90% to disappear and back to 100% when appear. Ease in when disappear while ease out when appear. All scale should be symmetrical transformation (see transformation section).

		0 ms 50 ms		Maximum 400ms
Disappear	Opacity	▬ change from 100% to 0%		Ease in
	Scale	▬ scale down to 90% or up to 110%		Ease in
Appear	Opacity	▬▬▬▬▬▬ change from 0% to 100%		Ease out
	Scale	▬▬▬▬▬▬ scale back to 100%		Ease out
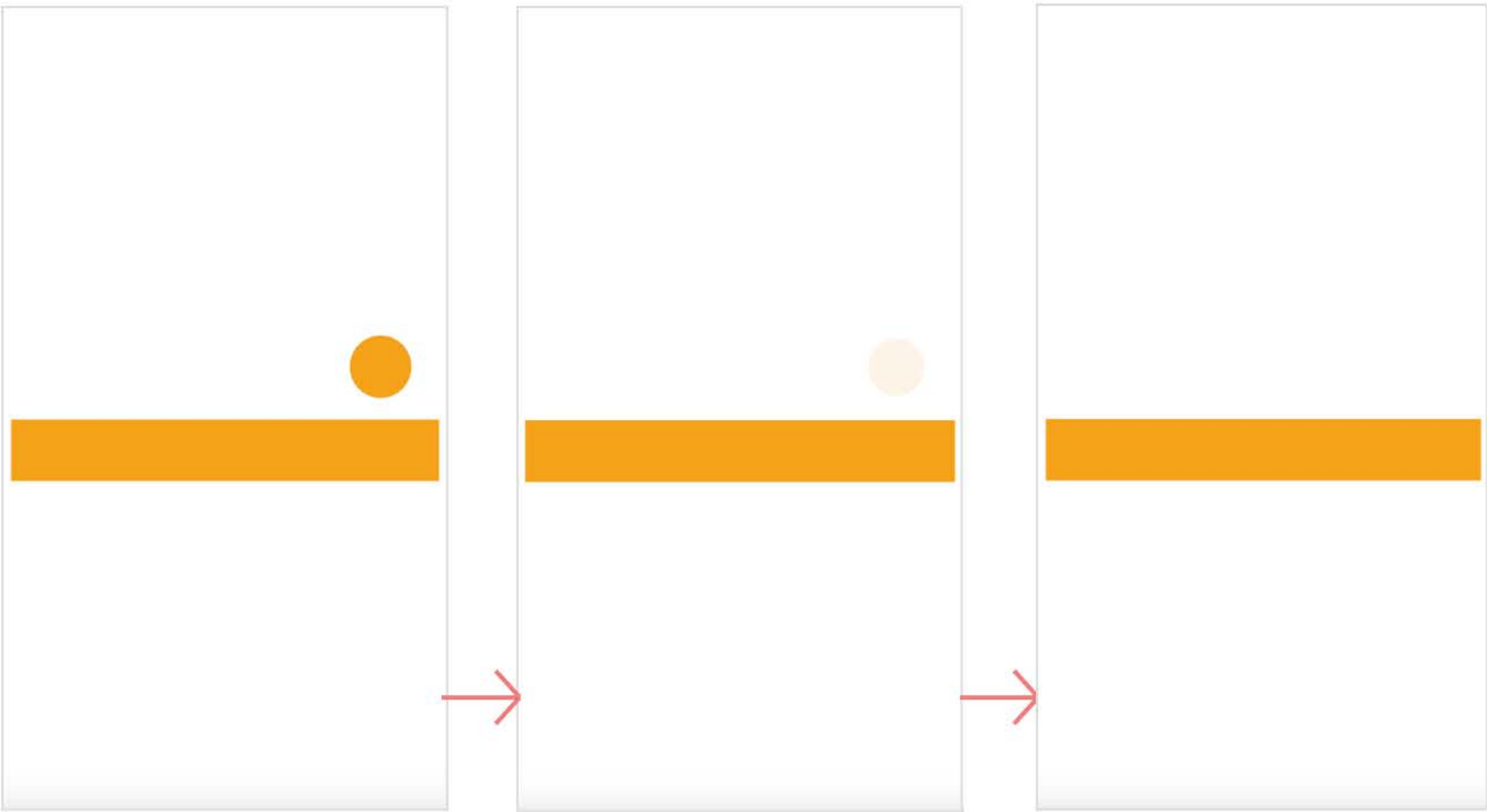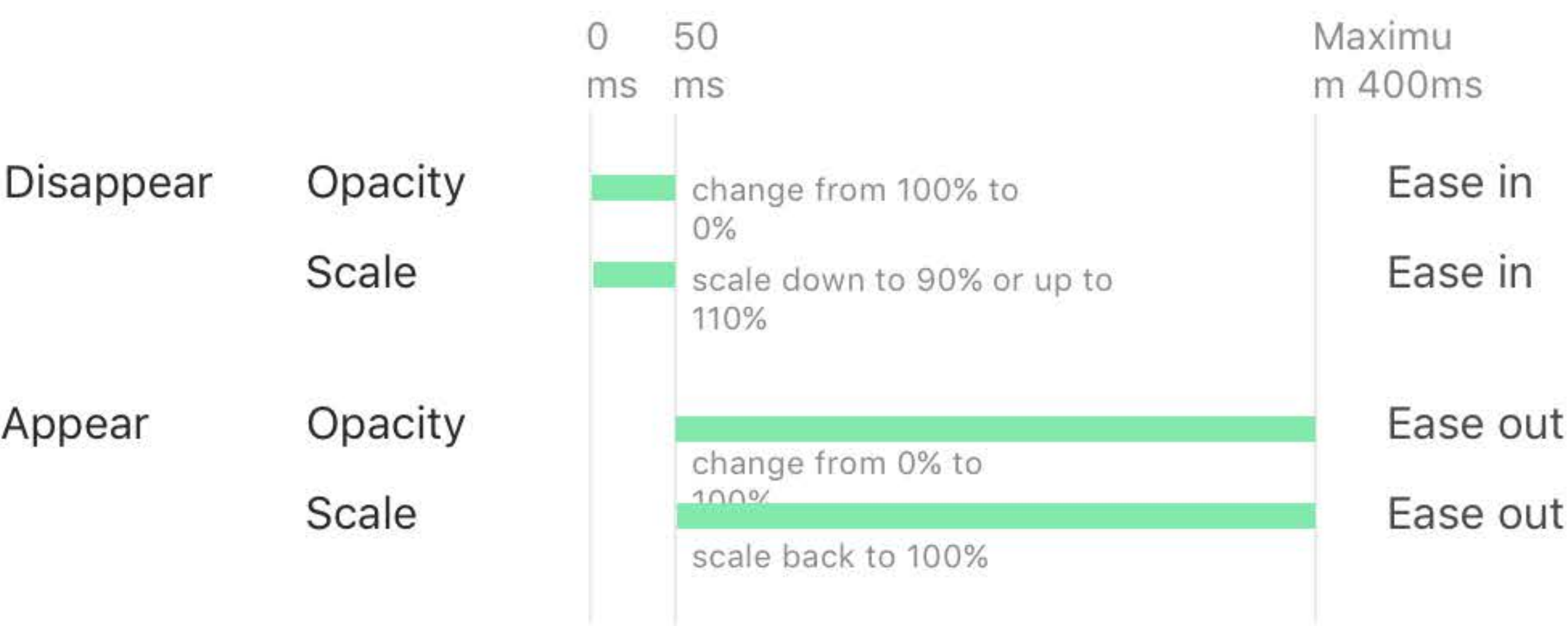
Elements disappear/appear with scale
or it should scale up when 110% to disappear and back to
100% when appear. Ease in when disappear while ease out
when appear. All scale should be symmetrical transformation
(see transformation section).

		0 ms	50 ms		Maximum 400ms
Disappear	Opacity		change from 100% to 0%		Ease in
	Scale		scale down to 90% or up to 110%		Ease in
Appear	Opacity		change from 0% to 100%		Ease out
	Scale		scale back to 100%		Ease out
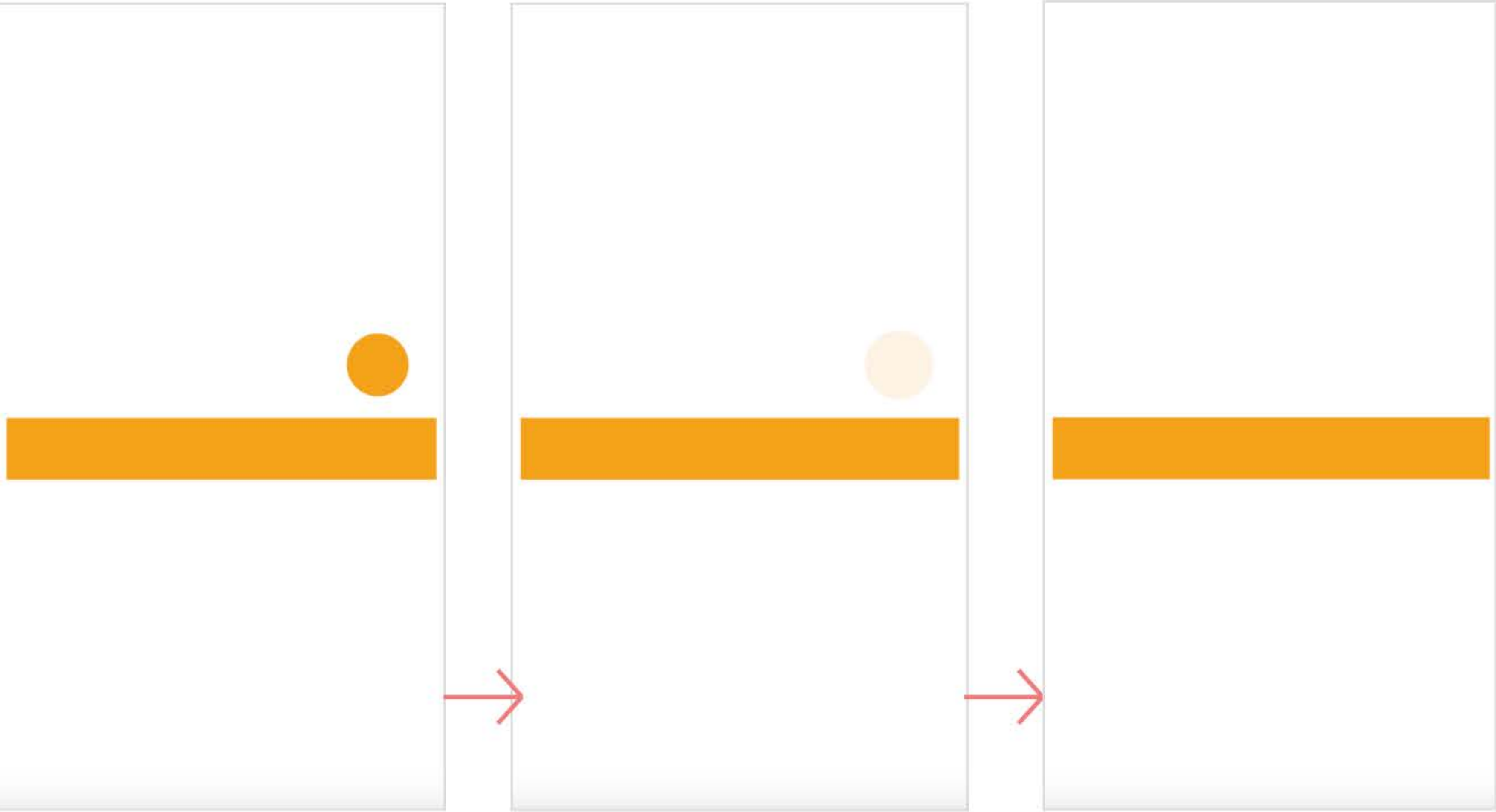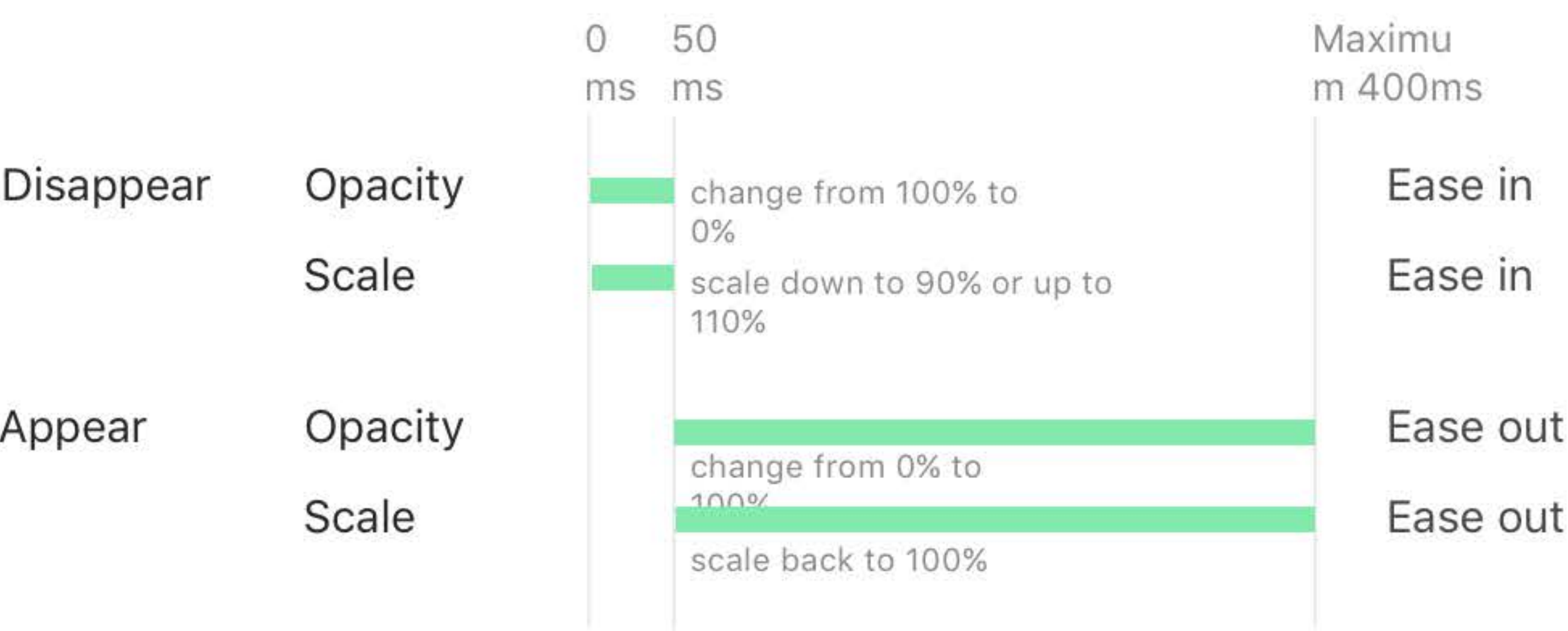
Asymmetric transforming

Asymmetric transforming works when multiple object transform or position changes are involved. It means the width and height changes at different rates. To expand an element's size, begin transforming the width of an element 50ms before transforming the height. To collapse an element's size, begin transforming the height 50ms before transforming the width.

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		0 ms	50 ms	Maximum 350ms	Maximum 400ms	
Expand	Width					Ease both
	Height					Ease both
Collapse	Width					Ease both
	Height					Ease both
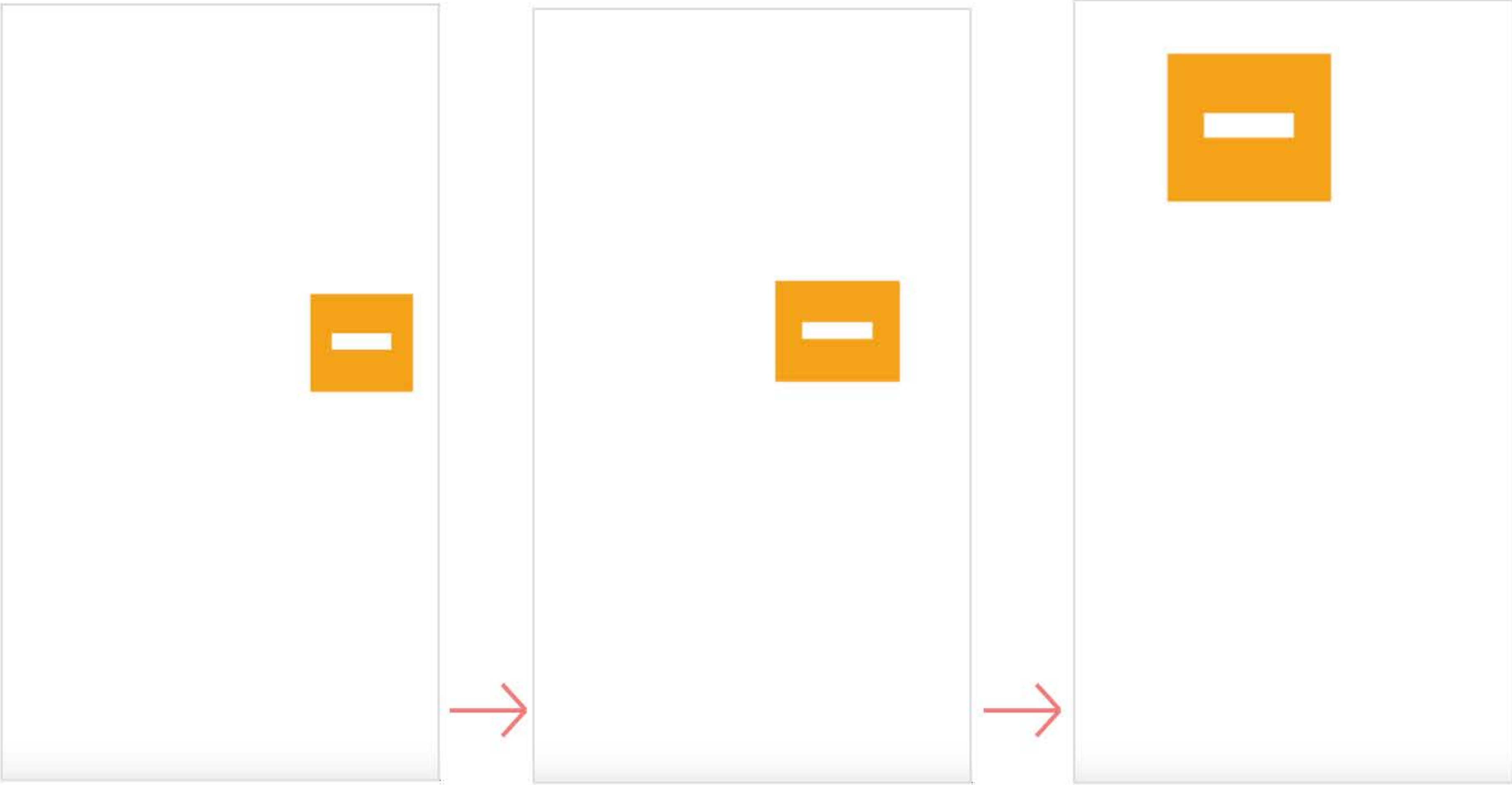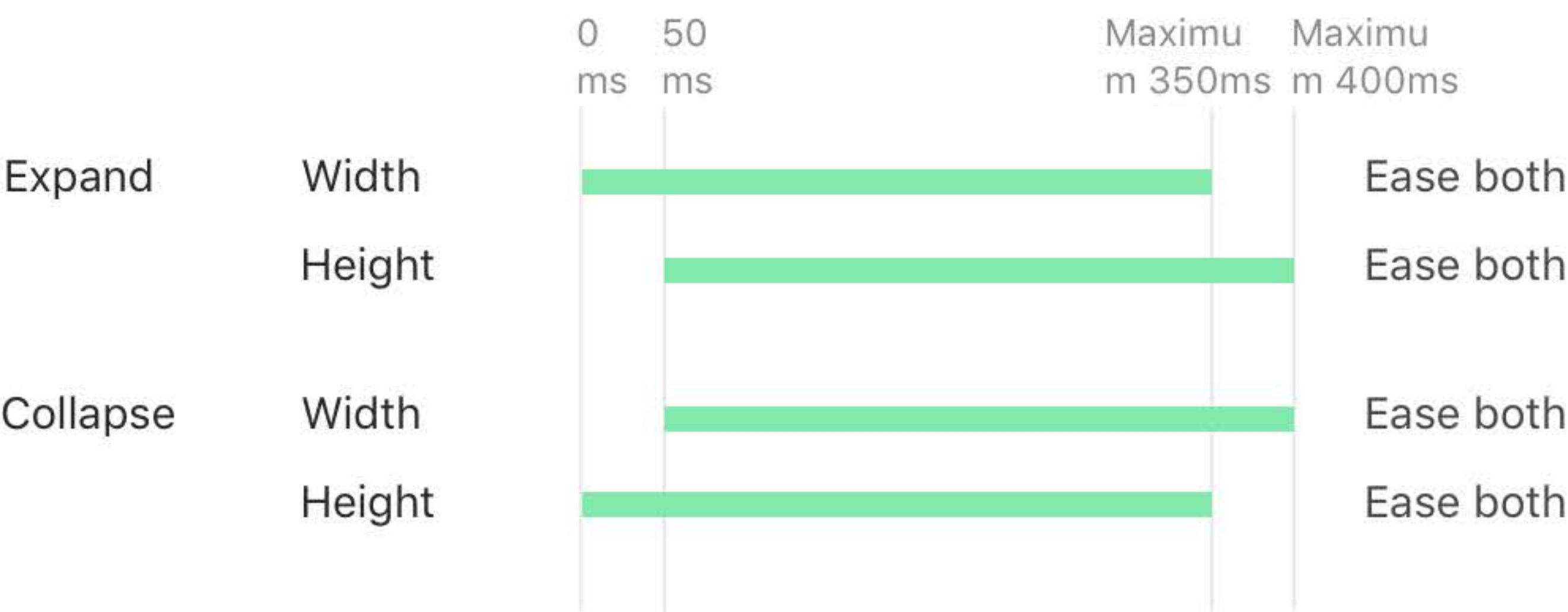
Symmetric transforming

Symmetric transforming works when only one object transforms is involved. It means the width and height changes at same rate and starts at the same time. This transition takes less time than asymmetric transforming.

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		0 ms	50 ms	Maximum 400ms	
Expand	Width				Ease both
	Height				Ease both
Collapse	Width				Ease both
	Height				Ease both
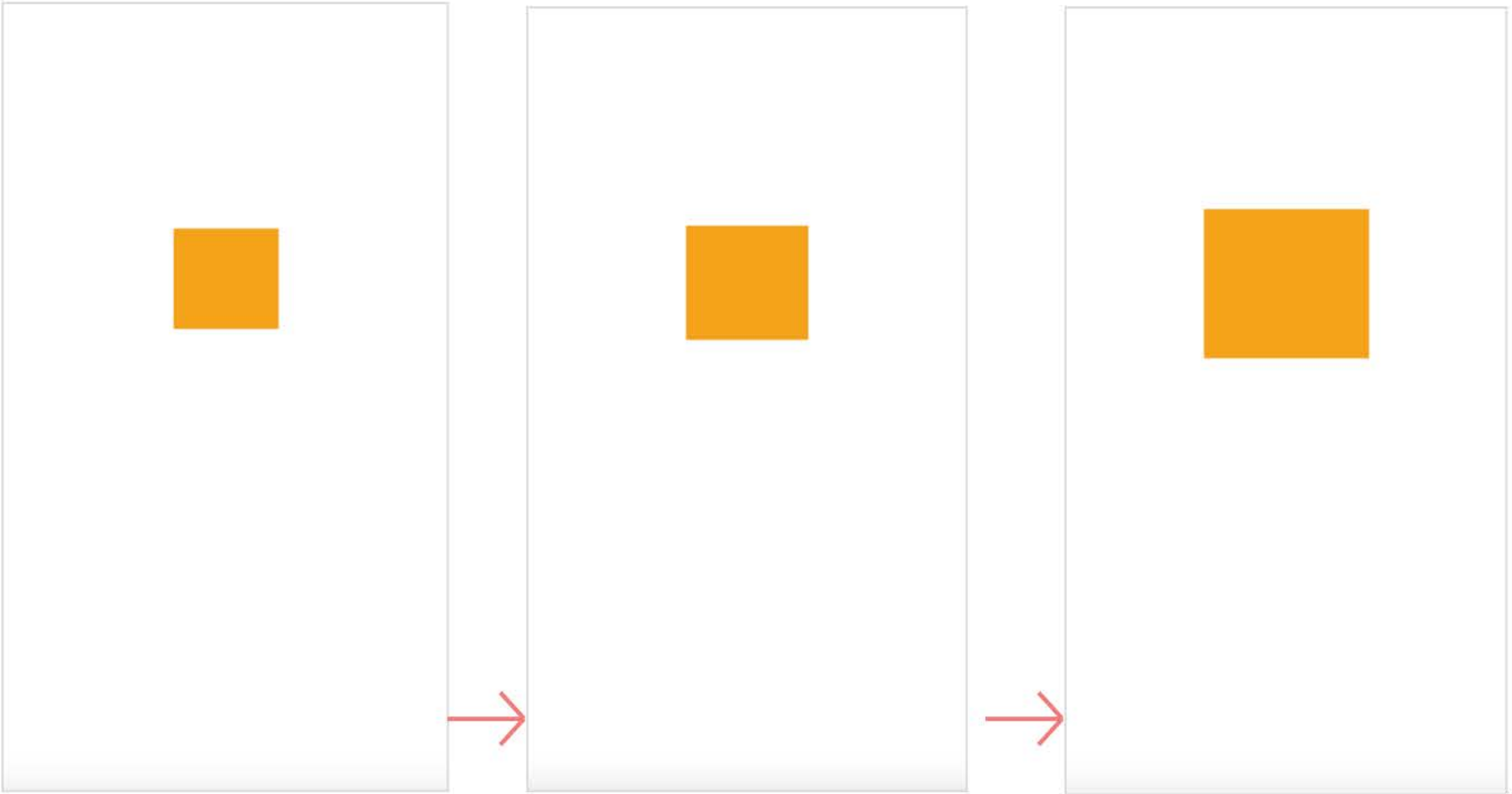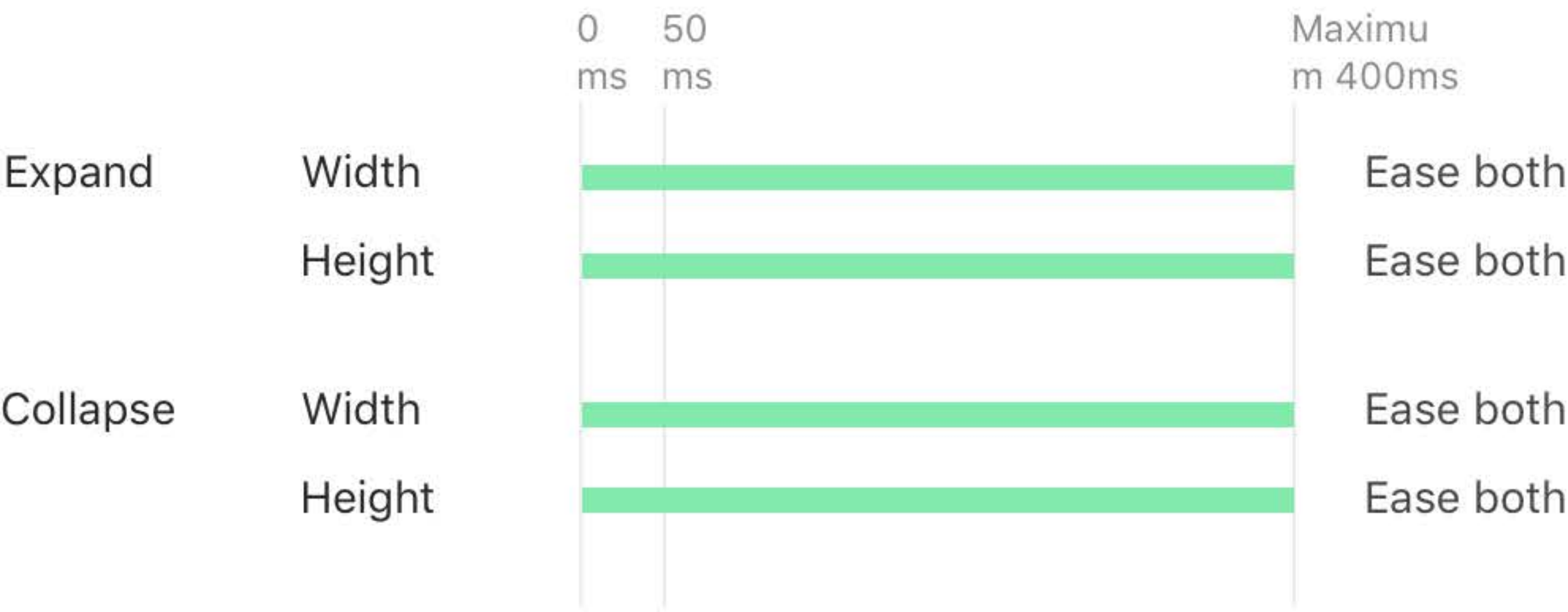
Ripple effect
The place has been clicked has a ripple effect, which means a circle's radius enlarge from 0 to 93dp/pt (from 0ms to 300ms) and opacity change from 100% to 0% (from 200ms to 300ms). The color of the circle is dddddd. Ripple effect used to confirm users an element has been clicked.

https://concur.ent.box.com/files/0/f/31546244972/1/ f_194337621361

	0 ms	200 ms	300 ms	
Scale				Ease both
Opacity				

enlarge and opacity change from 100% to 0%
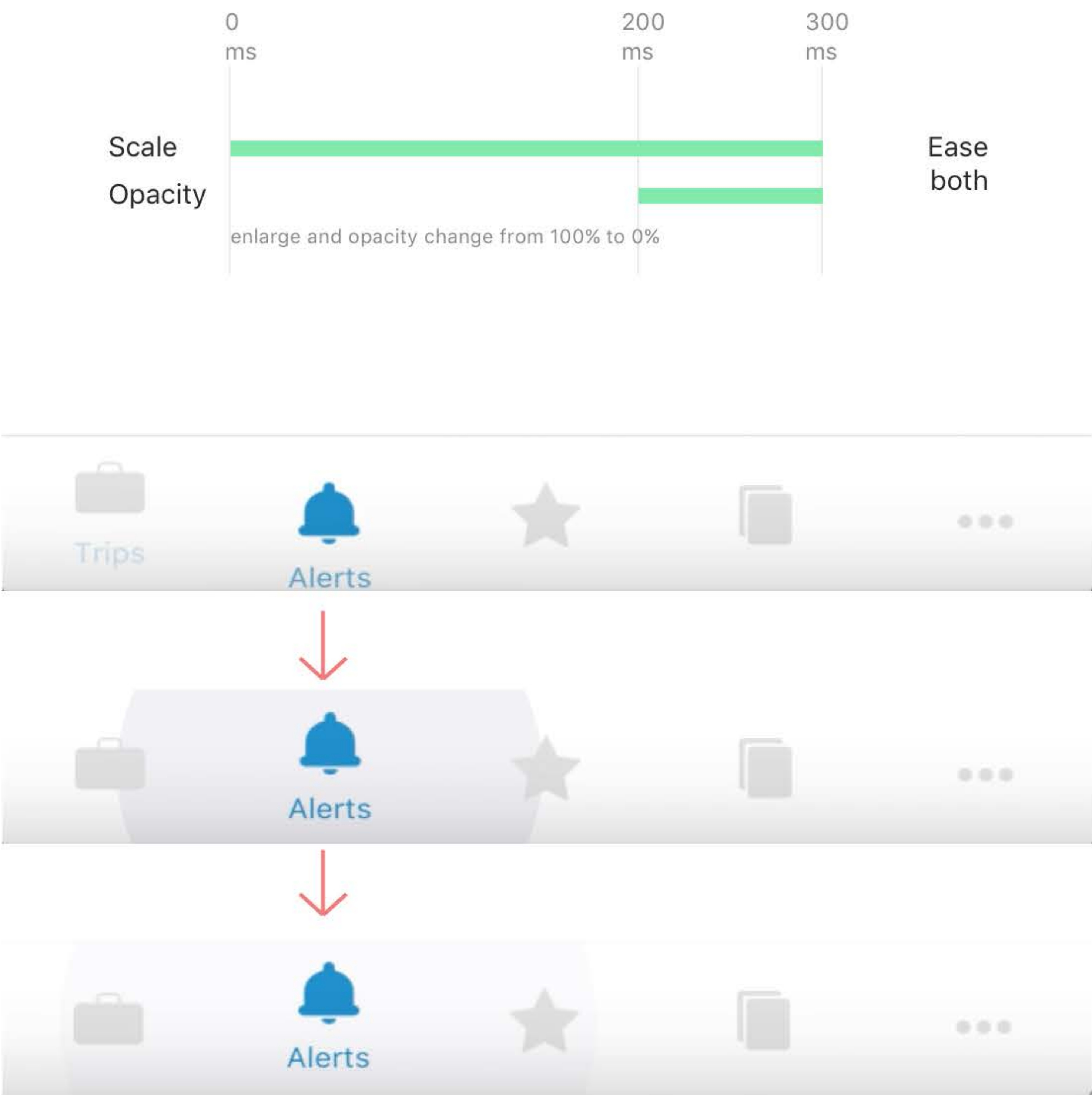
Large, complex, full screen transitions have longer duration, occuring between 300ms to 400ms. (shared elements between screens)
https://concur.ent.box.com/files/0/f/30721790654/1/f_194275573388

Small, simple transitions have shorter duration, occuring over 220ms. (eg, next screen move in and move out)
https://concur.ent.box.com/files/0/f/31650297268/1/f_194846475508

Subtle transition: works when some effect you want users to notice but not want to cause distraction so that users will still focus on main object transition
Main object transition: occurs near the action, it is the main thing that you want users to focus on

0 ms   50 ms   300ms - 400ms (end of transition)

Click trip card to go to trip summary page

Main objects transition
All elements move (from oms to end of transition time, ease both), shared elements stayed in next screen, while other elements change opacity from 100% to 0% (from 0ms to 50ms).

Shared elements — X,Y — Ease both
other elements — X, Y / Opacity — move and opacity change from 100% to 0% in 50ms — Ease both

Subtle transition
Content upon main objects change opacity from 100% to 0% (from 0ms to 50ms)
Content below main objects move down 10dp/pt (ease in) and change opacity from 100% to 0% (from 0ms to 50ms).

Subtle transition — Y / Opacity — move down 10dp and opacity change from 100% to 0% in 50ms — Ease in

Content in next screen
All elements in next screen (except shared elements) start changing opacity from 0% to 100%, from 50ms when previous screen dispear, and end when the whole transition end (300ms minimum, 400ms maximum)

content in next screen — Opacity — opacity change from 0% to 100%, start from 50ms, end when whole transition end — Ease both

Click back arrow to go to trip list page

Content in this screen
All elements in next screen (except shared elements) change opacity from 100% to 0%(from 0ms to 50ms)

content in this screen — Opacity — opacity change from 100% to 0% — Ease both

Main objects transition
All elements move (from oms to end of transition time, ease both), shared elements stayed in next screen, while other elements change opacity from 0% to 100% (from 0ms to end of transition time).

Shared elements — X,Y — Ease both
other elements — X, Y / Opacity — move and opacity change from 0% to 100% — Ease both

Subtle transition
Content upon main objects change opacity from 0% to 100% (from 50ms to end of transition time)
Content below main objects move down 10dp/pt (ease out) and change opacity from 0% to 100% (from 50ms to end of transition time)

Subtle transition — Y / Opacity — move up 10dp and opacity change from 0% to 100% — Ease out

0 ms   50 ms   300ms - 400ms (end of transition)

Trips

UPCOMING   PAST

Ground Tour
May 28 - May 30, 2017
🕐 15 days, in 24 days

Family trip to Spain
May 1 - June 15, 2016
🕐 15 days, in 24 days

Industry trade show in LA
June 6, 2016 – June 10, 2017
🕐 5 days, in 50 days

▼ ◢ 🔋 12:30

← Grand Tour
Sun, May 28 - Tue, May 30, 2017

SUN, MAY 28

DEPART 9:30 AM PDT — SFO-LAS [Scheduled]
VX 251 (Virgin America)
Conf.: H5WL68
Arrives 12:05 AM PDT

CHECK-IN 3:00 PM PDT — Las Vegas Marriott Marquis
1535 Broadway, Las Vegas, NV

MON, MAY 29

7:00 PM PDT — Hamilton, An American...
226 W. 46th St., Las Vegas, NV

TUE, MAY 30

CHECK-OUT 11:00 AM PDT — New York Marriott Marquis
1535 Broadway, Las Vegas, NV

DEPART 6:00 PM PDT — LAS-SFO [Scheduled]
BG 1415 (JetBlue)
Conf.: H5WL68
Arrives 9:33 PM PDT

with cousins. Co-worker says we need to eat at whatever the east-coast version of In and Out is.

Planner   Kat

Viewers   Kat, Paul, Saun...

Concur   Linked