



MELTDOWN & SPECTRE FOR NARRATIVE PEOPLE

SPECTRE: SPECTACULAR EXERCUTION

3

9

A

B



c

D

E

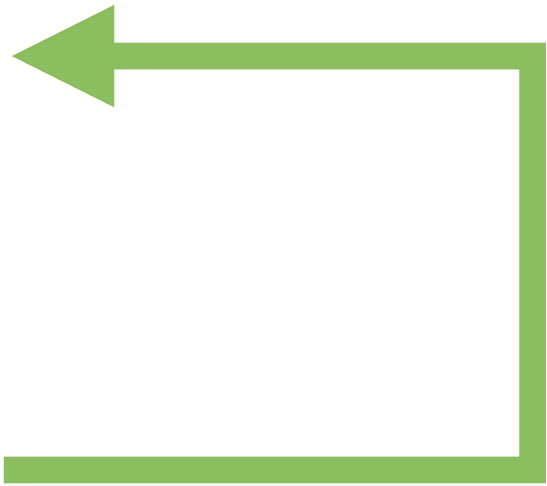


A

Currently active instruction



conditional branch



A

B

c

D

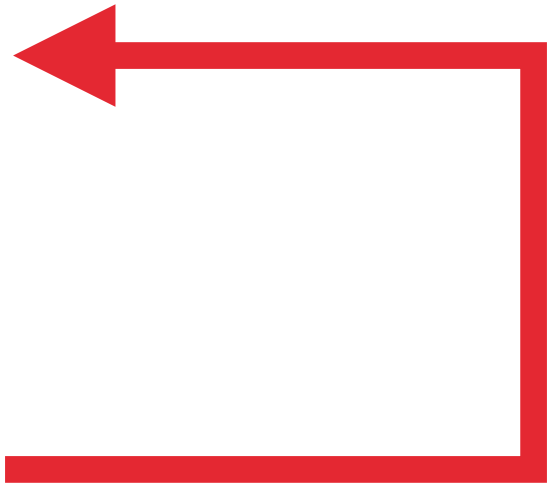
E

COUNTER

Simple variable used in branch

3

counter



2

1

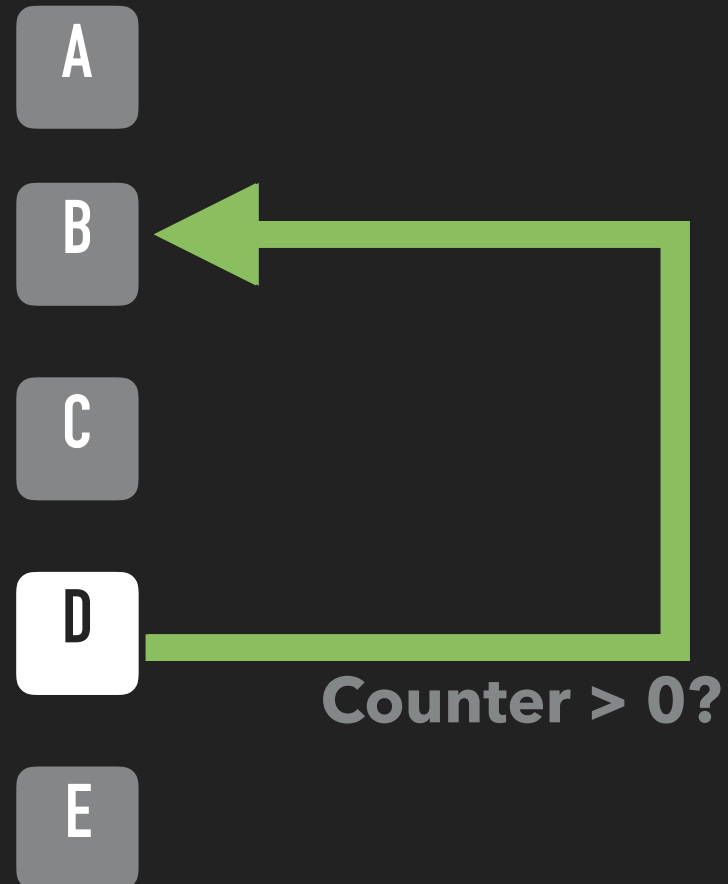
0

counter=0?

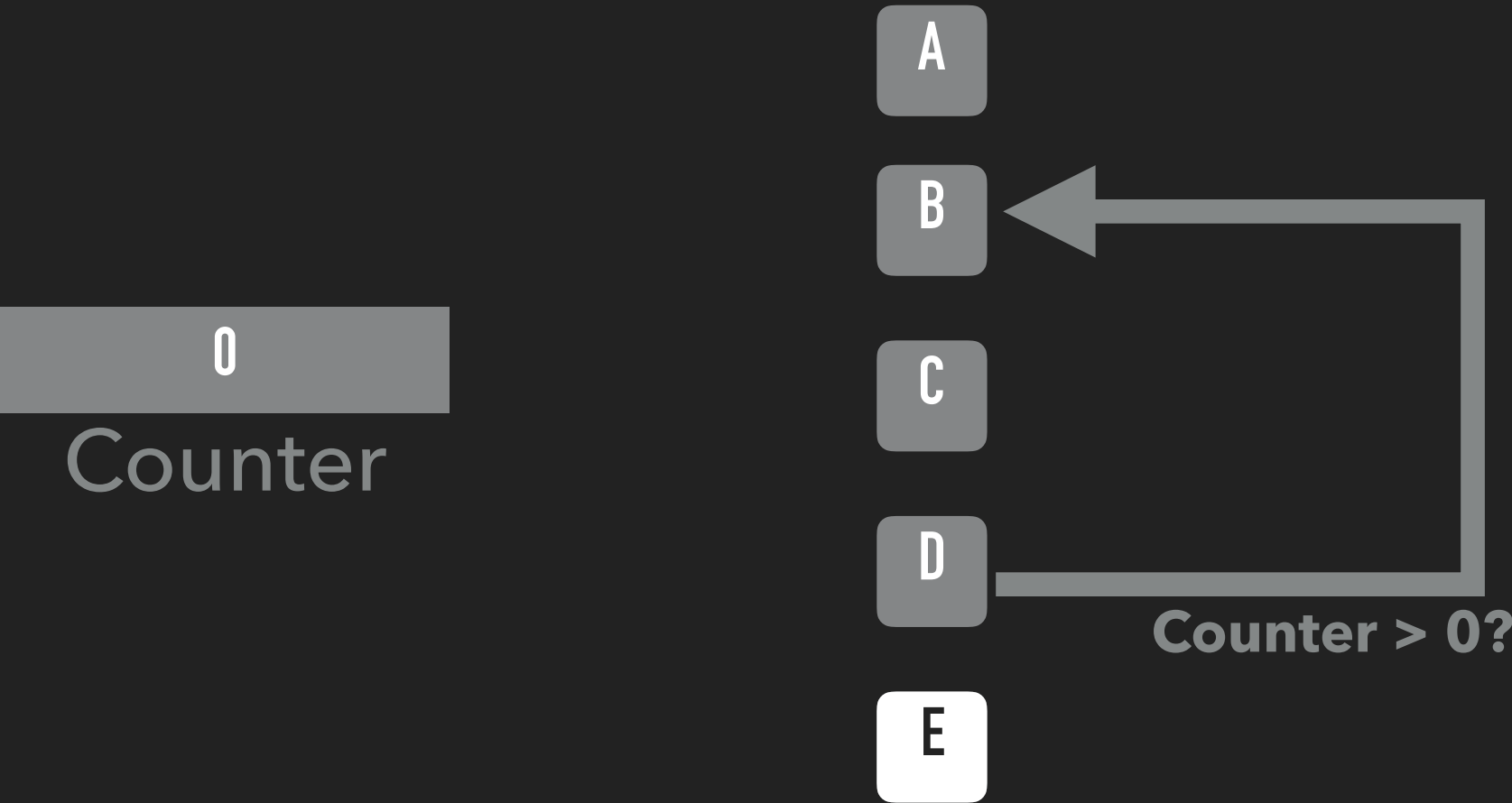
SPECTRE: SPECULATIVE EXECUTION



1
Counter



SPECTRE: SPECULATIVE EXECUTION



COUNTER

Some variable used in branch

A B ... E

Instructions

A

Currently active instruction



Conditional branch