Assets	Liabilities

Assume the Fed is presently holding 100b in Bonds

Bank Reserves

100b

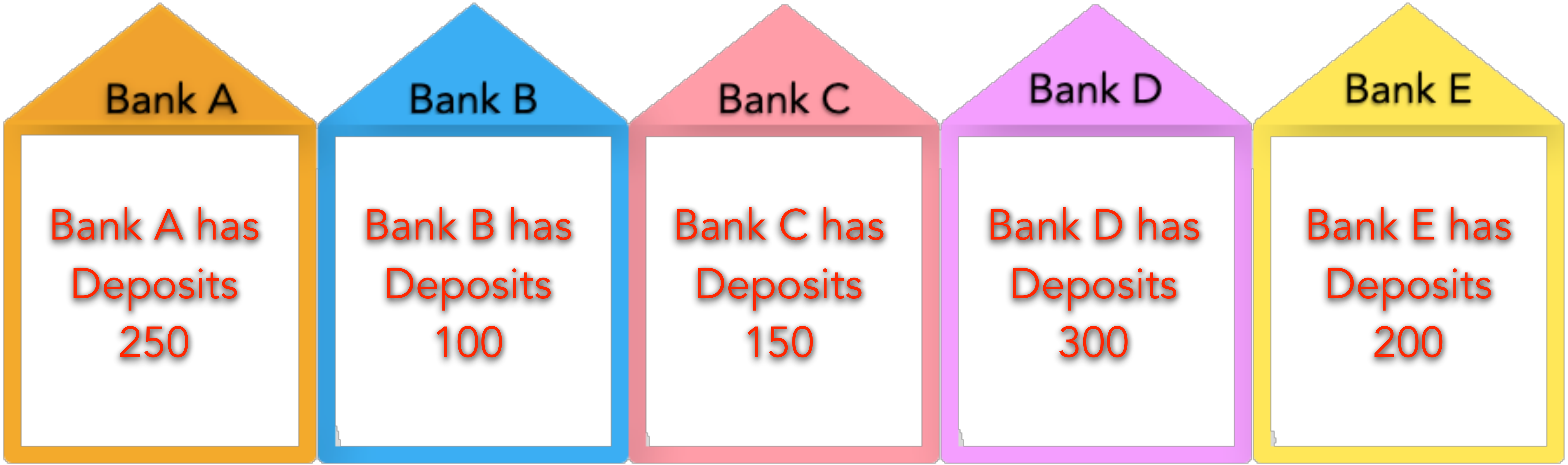
$$R_A = 0.1 \times 250 = 25b$$

$$R_B = 0.1 \times 100 = 10b$$

$$R_C = 0.1 \times 150 = 15b$$

$$R_D = 0.1 \times 300 = 30b$$

$$R_E = 0.1 \times 200 = 20b$$


Bank A
Bank A has Deposits 250
Bank B
Bank B has Deposits 100
Bank C
Bank C has Deposits 150
Bank D
Bank D has Deposits 300
Bank E
Bank E has Deposits 200

Total Reserves = 100b

Bond holders

Sell 10b in bonds to the Fed

The Fed now holds 110b in Bonds


UNITED STATES SAVINGS BOND
1000
THE UNITED STATES OF AMERICA
ONE THOUSAND DOLLARS
SERIES EE
M00000000000EE

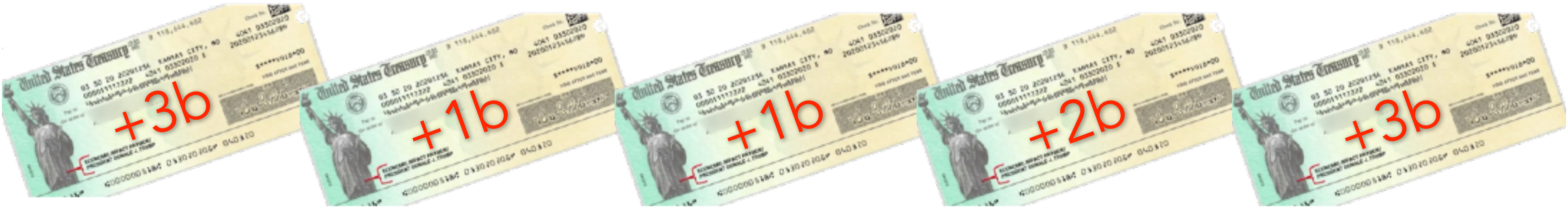

UNITED STATES SAVINGS BOND
1000
THE UNITED STATES OF AMERICA
ONE THOUSAND DOLLARS
SERIES EE
M00000000000EE

Bond holders

Fed pays $10b to Bond sellers


United States Treasury
Check No.
000-197-8423-555
DOLLARS
CTS

Banks send these checks to the Fed for clearing


+3b
+1b
+1b
+2b
+3b

Public deposits these checks into their banks

T

h

e

F

e

d

"

p

a

y

S

"

t

h

e

S

e

C

h

e

C

k

S

b

y

i

n

C

r

e

a

S

i

n

g

t

h

e

b

a

n

k

/

S

r

e

S

e

r

V

e

S

b

y

t

h

e

a

m

O

u

n

t

O

f

C

h

e

C

k

+3b

+1b

+1b

+2b

+3b

and destroys the checks

+10b

10b

110b

T

h

e

F

e

d

B

u

y

S

B

O

n

S

i

n

t

h

e

O

p

e

n

M

a

r

k

e

t

(

Q

u

a

t

i

t

a

t

V

E

a

S

i

n

g

Q

E

)

Where did the Fed get the money to pay for these bonds?

Nowhere! The money is simply ***created*** by changing a computer entry that reads how many reserves each bank has

28b

11b

16b

32b

23b

Total Reserves =110b

W

h

e

n

t

h

e

F

e

d

b

u

y

S

1

0

b

i

n

b

O

n

d

S

/

t

h

e

F

e

d

C

r

e

a

t

e

S

1

0

b

i

n

n

e

W

m

O

n

e

y

a

n

d

b

a

n

k

R

e

S

e

r

V

e

S

i

n

C

r

e

a

S

e

b

y

1

0

b

This is what the Fed does to stimulate the economy

The Fed Buys Bonds in the Open Market (Quantitative Easing QE)

The Fed "pays" these checks by increasing the bank's reserves by the amount of the check

The Fed Buys Bonds in the Open Market (Quantitative Easing QE)

Assets	Liabilities
	Bank Reserves

The Fed now holds 110b in Bonds

Nowhere! The money is simply ***created*** by changing a computer entry that reads how many reserves each bank has

28b

11b

16b

32b

23b

Total Reserves =110b

When the Fed buys 10b in bonds, the Fed creates 10b in new money and bank Reserves increase by 10b

Banks send these checks to the Fed for clearing

Bank A	Bank B	Bank C	Bank D	Bank E
Bank A has Deposits 250	Bank B has Deposits 100	Bank C has Deposits 150	Bank D has Deposits 300	Bank E has Deposits 200

The Fed "pays" these checks by increasing the bank's reserves by the amount of the check

and destroys the checks

Public deposits these checks into their banks