x\_i

x\_k

mean

var

x\_i\_shift

1/std

1/std

x\_i\_shift

std

-1\*(std)^(-2)=

- 1/var

1/2 \* var^(1/2)=

1/2 \* std

1/N

1

x\_k\_shift

2 \* x\_k\_shift

1

1/N

1/N

y\_1

x\_i\_shift

2 \* x\_i\_shift

1

1

-1

1

x\_1

x\_2

mean

var

1/std

x\_k\_shift

std

-1\*(std)^(-2)=

- 1/var

1/2 \* var^(1/2)

1/N

1

x\_k\_shift

2 \* x\_k\_shift

1

1/N

1/N

y\_2

x\_i\_shift

2 \* x\_i\_shift

1/std

-1