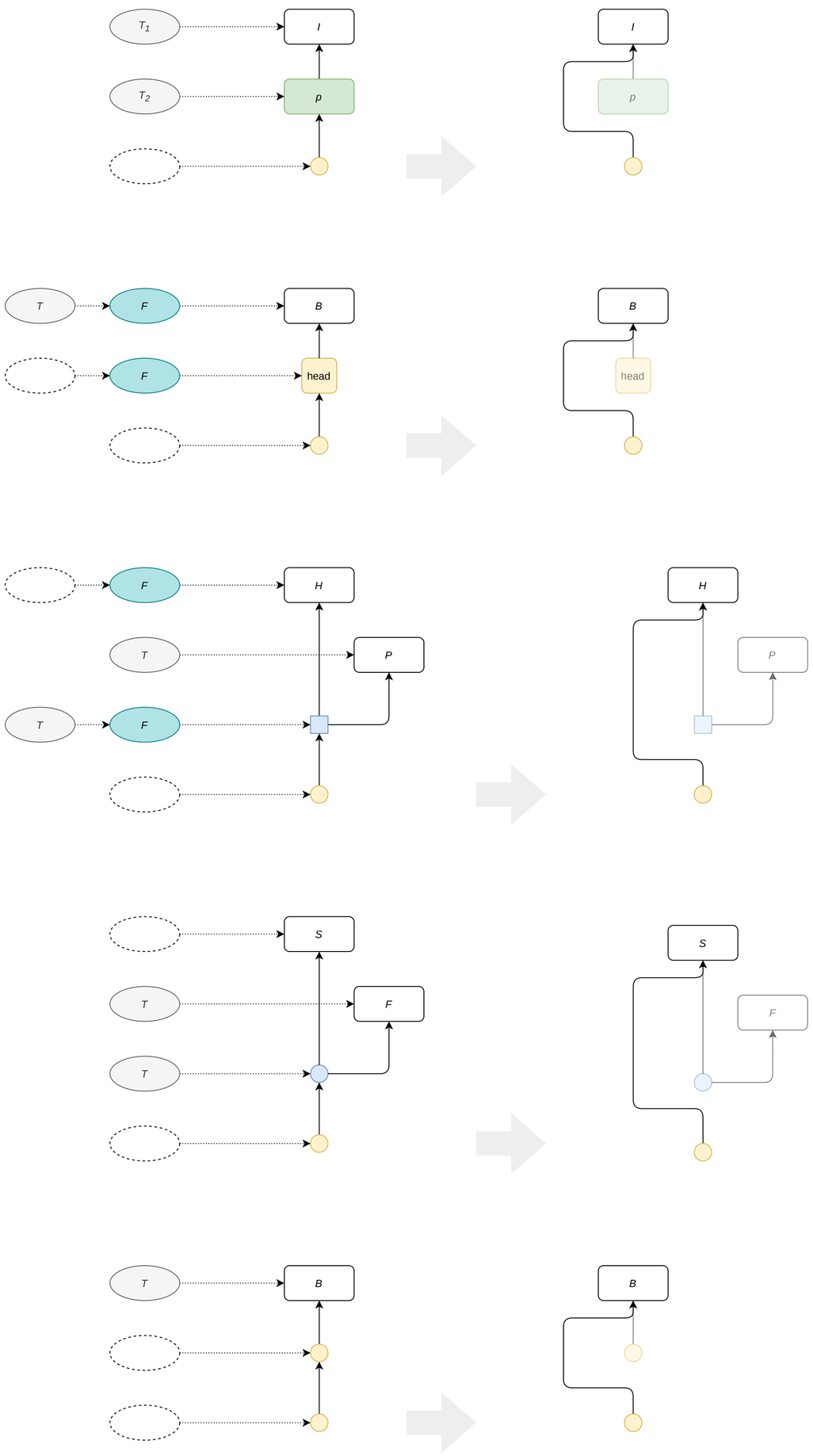
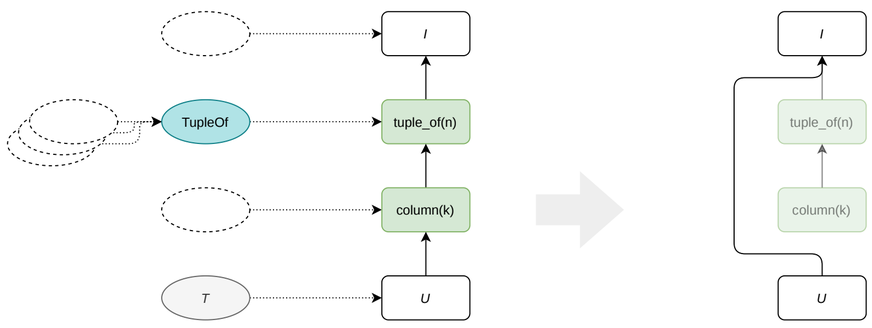
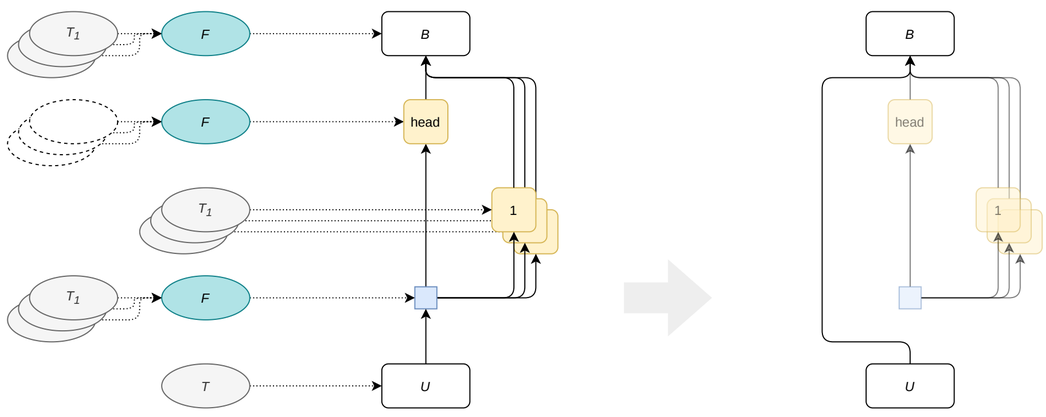
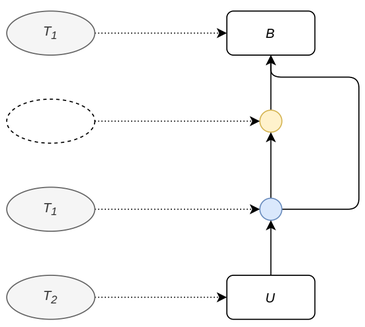
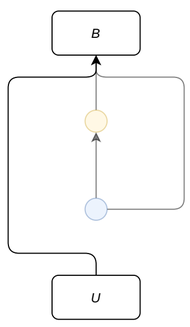

T1
I
T2
p
I
p
T
F
B
F
head
B
head
F
H
T
P
T
F
H
P
S
T
F
T
S
F
T
B
B
T
U
U

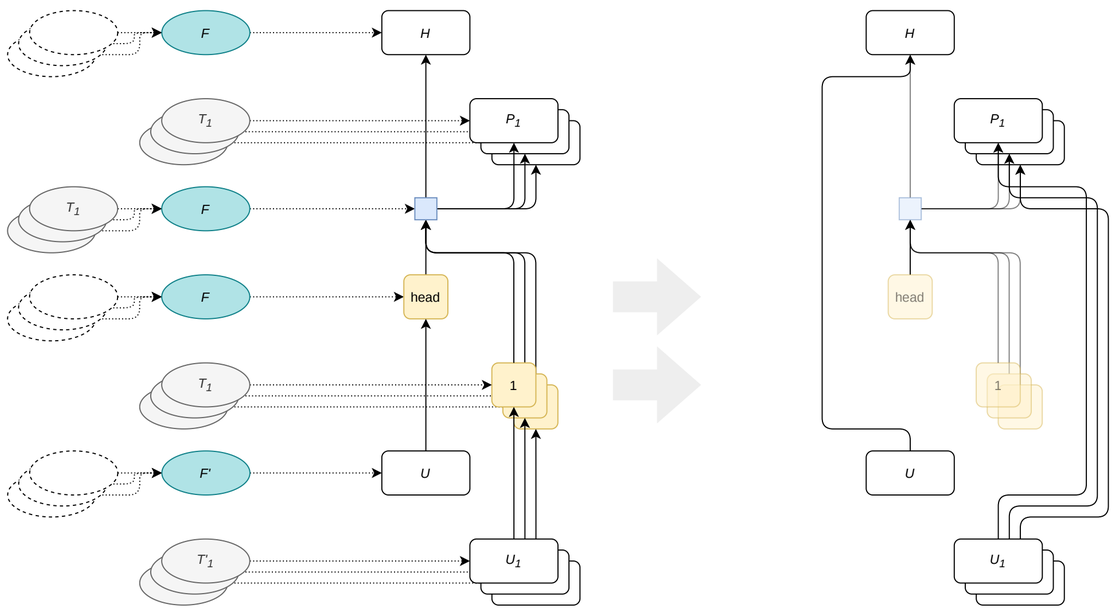

I
TupleOf
tuple_of(n)
column(k)
T
U
I
tuple_of(n)
column(k)
U

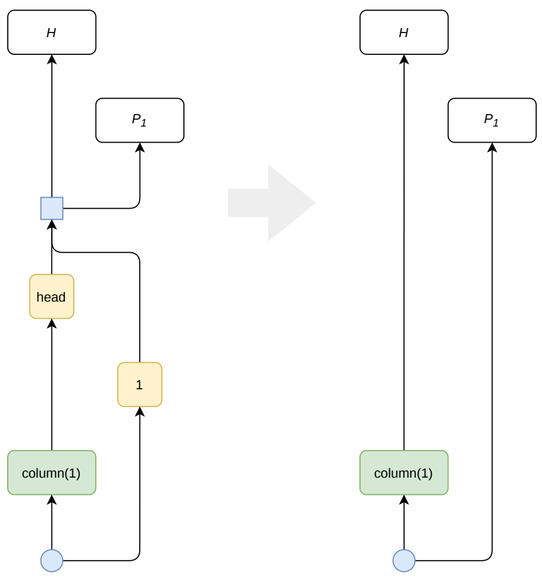

$T_1$
F
B
F
head
$T_1$
1
$T_1$
F
T
U

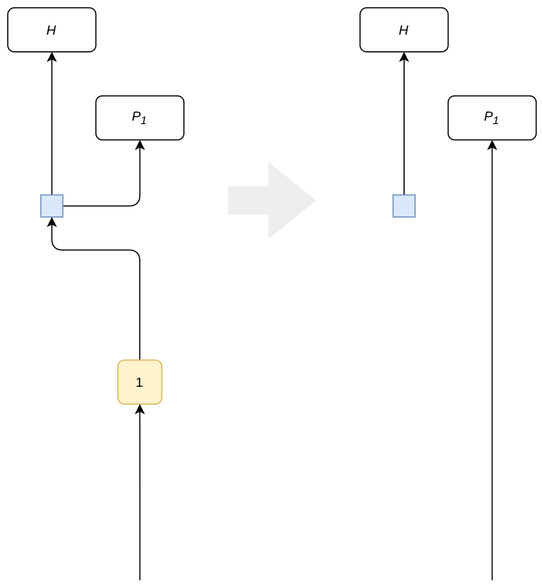

B
head
1
U

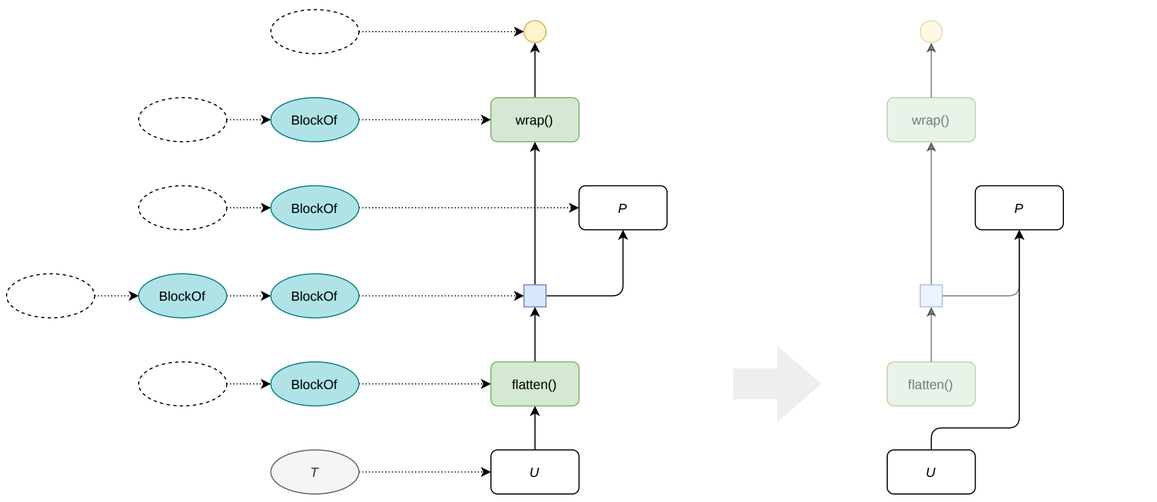

$T_1$
B
$T_1$
$T_2$
U

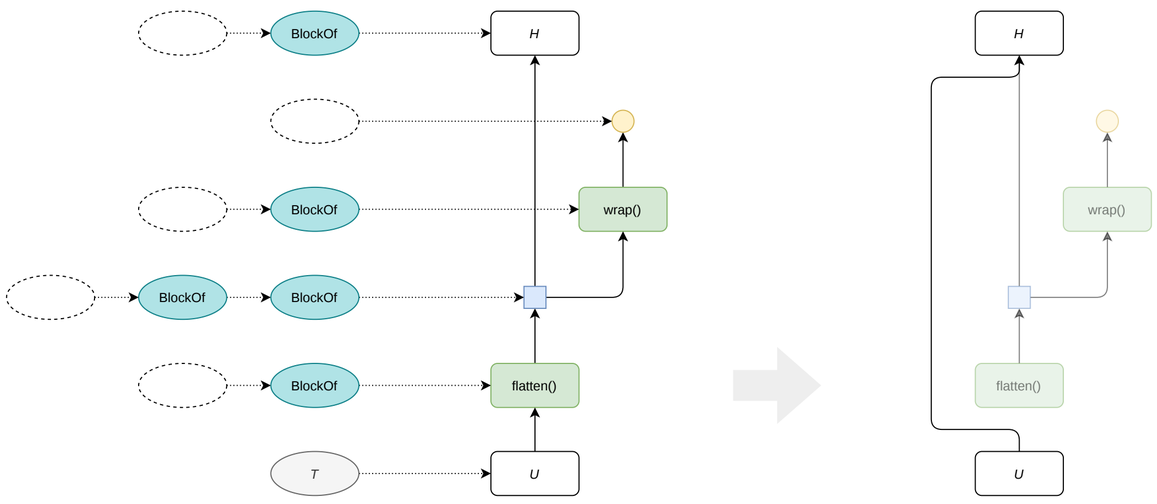

B
U

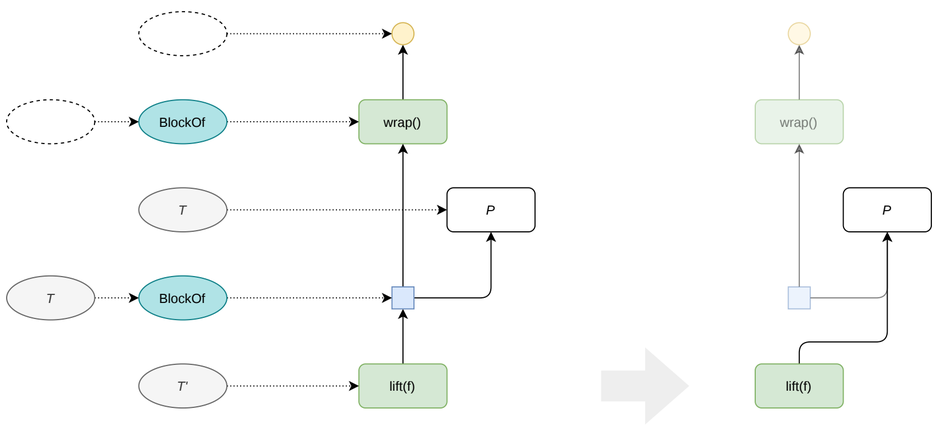

F
H
T1
P1
T1
F
F
head
T1
1
F'
U
T'1
U1
H
P1
head
1
U
U1

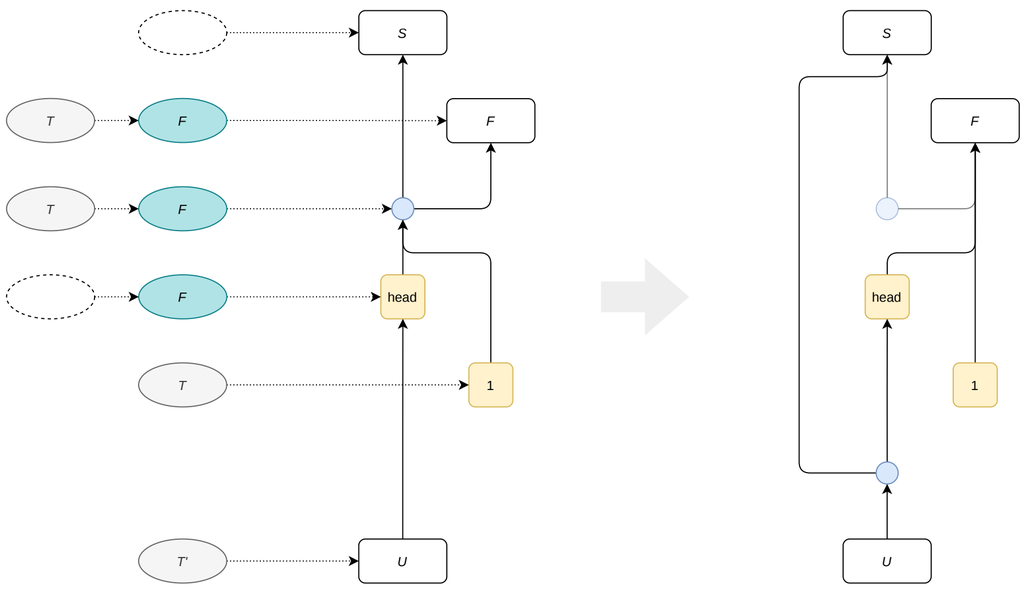

H
P1
head
1
column(1)
H
P1
column(1)


H
P1
1
H
P1


BlockOf
wrap()
BlockOf
P
BlockOf
BlockOf
BlockOf
flatten()
T
U
wrap()
P
flatten()
U


BlockOf
H
BlockOf
wrap()
BlockOf
BlockOf
BlockOf
flatten()
T
U
H
wrap()
flatten()
U


BlockOf
wrap()
T
P
T
BlockOf
T'
lift(f)
wrap()
P
lift(f)


S
T
F
F
T
F
F
head
T
1
T'
U
S
F
head
1
U