17-1

(λ (x) (+ x y))

=> (V fp y)

(λ (x)
  (((λ (z) (+ x y z)) 5))

=> (V fp 2 x y)

=> (V fp 1 y)

y in both!

2 + 3 = 5

N + M N + P = 2N+M+P

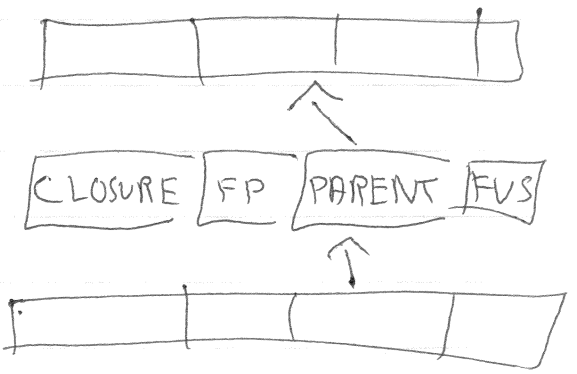
shared different in fp1 uniq to fp2

let a = ... in let b = ... in ...

the-program

clo-arg = (V fp 1 y)

(V fp 2 clo-arg x)



$\underbrace{N+M}_{1st} + \underbrace{1+P}_{2nd}$

N ~~+~~ N + M + P = N + M + 1 + P => N = 1

~~N = 1~~

17-2/

1st way

```
(let ([fv0 (v-r clo 0)]
      [fv1 (v-r clo 1)]
      ... )
  body)
```

2nd way

```
(let ([fvn (v-r clo n-IV)]
      ...
      [parent (v-r clo 0)]
      [fv3 (v-r parent 3)]
      ... )
  body)
```

1st — flat closure — time

2nd — linked (nested) closure — space