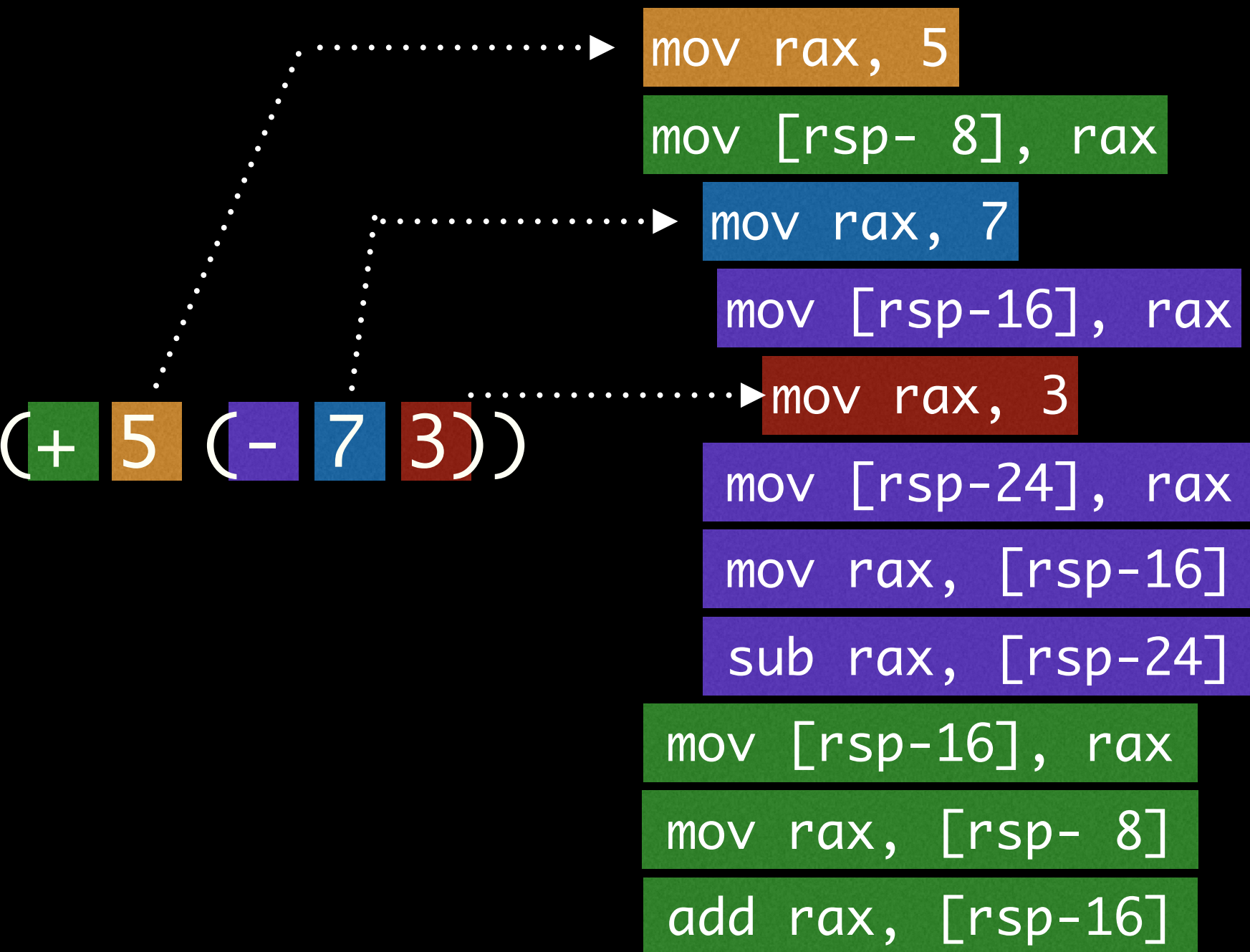
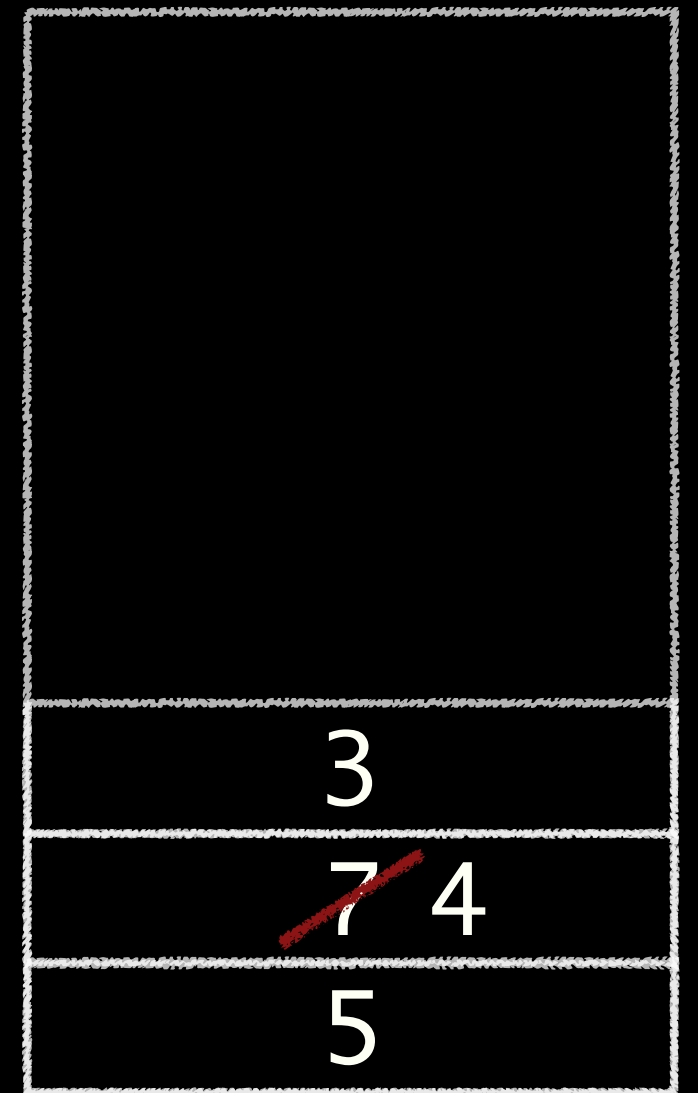


Each indent is $(s_i + 1)!$



RAX ~~5~~~~7~~~~3~~~~7~~~~4~~~~5~~~~9~~

RSP 0x4000



0x4000

Works generally, but could use some optimization...

What should this program produce?
(according to you)

```
let x = 2 in  
  if x: 5 else: 4
```

A: 5

B: 4

C: error

D: something else

What should this program produce?
(according to you)

```
let x = 0 in  
  if x: 5 else: 4
```

A: 5

B: 4

C: error

D: something else

What should this program produce?
(according to you)

`1 + true`

A: 2

B: 1

C: true

D: false

E: error

What should this program produce?
(according to you)

2 + false

A: 2

B: 1

C: true

D: false

E: error

```
(let (x  
  (if 2 5 4)  
)  
  (inc x))
```

```
mov rax, 2  
cmp rax, 0  
je else_branch  
  mov rax, 5  
  jmp after_if  
else_branch:  
  mov rax, 4  
after_if:  
mov [rsp], rax  
mov rax, [rsp]  
add rax, 1
```

```
let x = 2 in                1 + true
  if x: 5 else: 4
```

```
let x = 0 in                2 + false
  if x: 5 else: 4
```