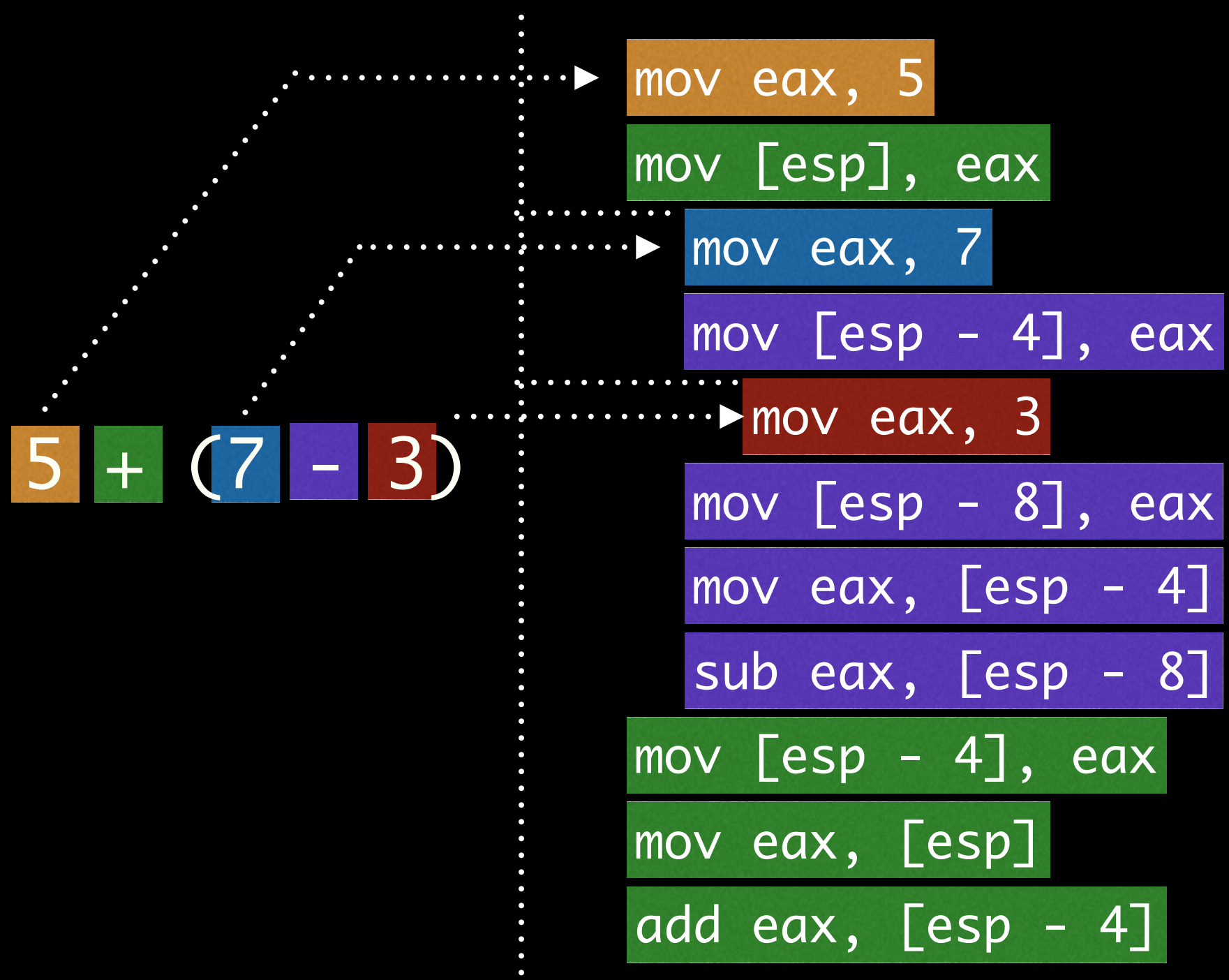


```
mov eax, 5  
mov eax, 7
```

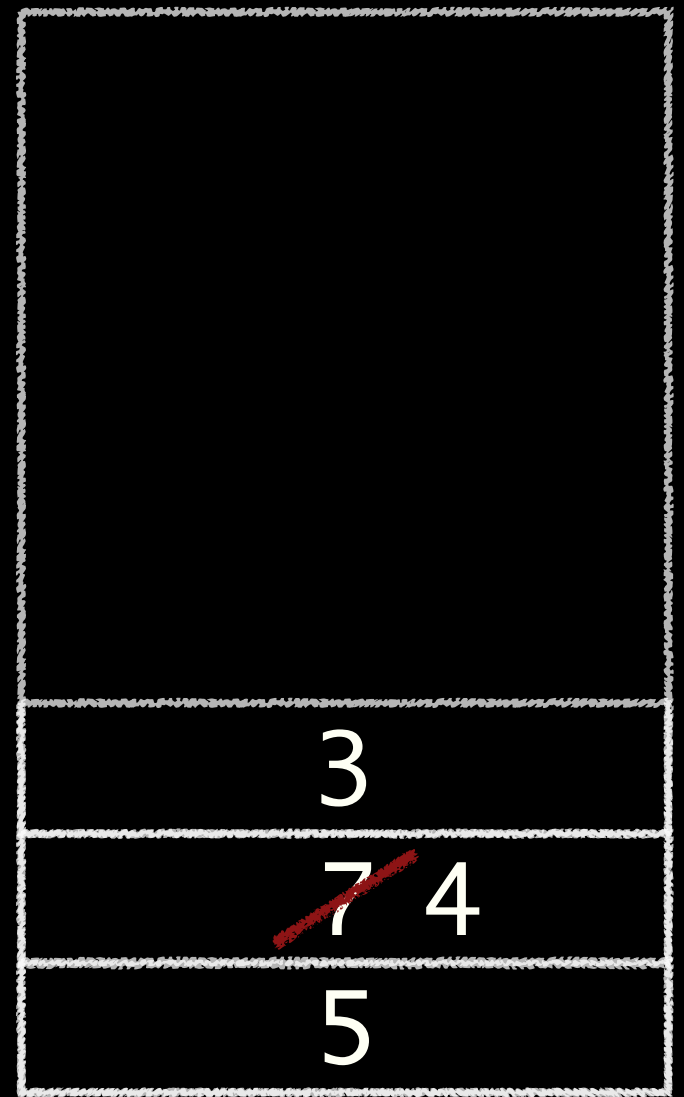
5 + (7 - 3)

each indent is (si + 1)



EAX ~~5~~~~7~~~~3~~~~7~~~~4~~~~5~~~~9~~

ESP 0x40



0x40

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

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

```
let x =
```

```
  if 2: 5
```

```
  else: 4
```

```
in
```

```
  add1(x)
```

```
mov eax, 2
```

```
cmp eax, 0
```

```
je else_branch
```

```
mov eax, 5
```

```
jmp after_if
```

```
else_branch:
```

```
mov eax, 4
```

```
after_if:
```

```
mov [esp], eax
```

```
mov eax, [esp]
```

```
add eax, 1
```