# AEV: Séance 4

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# 1 Exercice 1

## 1.1 Question 1

Infixé

$$T = (A + B) * ((C + D) - (E * F))$$

Préfixé

$$T = * + A B - + C D * E F$$

Postfixé

$$T = AB + CD + EF * - *$$

# 1.2 Question 2

### ASM

LIT Е LIT ΙP 2105 LIT LIT D 2103 ΙP ΙP 2104 LIT Α LIT В ΙP 2103 ΙP 2105

### Binaire

 

# 1.3 Question 3

#### Infixé

$$(A + B) * (A - B)$$

#### Postfixé

A B + A B - \*

#### $\mathbf{ASM}$

LIT A
LIT B
IP 2103
LIT A
LIT B
IP 2104
IP 2105

#### Binaire

## 2 Exercice 2

### Infixé

$$\begin{array}{rcl} y & = & (a2*c1-a1*c2)/(a2*b1-a1*b2) \\ x & = & (c1-b1*y)/a \end{array}$$

## Postfixé

$$y = a2 c1 * a1 c2 * - a2 b1 * a1 b2 * - /$$
  
 $x = b1 y * c1 - a /$ 

 $\mbox{pile}: a1,\, b1,\, c1,\, a2,\, b2,\, c2.$ rot

 $\begin{aligned} & \text{pile} : c1, \ a1, \ b1, \ a2, \ b2, \ c2. \\ & \text{store dans registre A} \\ & \text{pile} : a1, \ b1, \ a2, \ b2, \ c2. \end{aligned}$ 

rot

 ${\rm pile}: a2,\,a1,\,b1,\,b2,\,c2.$ 

read from A

 ${\rm pile}: c1,\,a2,\,a1,\,b1,\,b2,\,c2.$ 

mul(0,1) mul1

pile: mul1, c1, a2, a1, b1, b2, c2.

store into A

 ${\rm pile}: c1,\,a2,\,a1,\,b1,\,b2,\,c2.$ 

 $\operatorname{rot}$ 

 ${\rm pile}: a1,\,c1,\,a2,\,b1,\,b2,\,c2.$ 



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