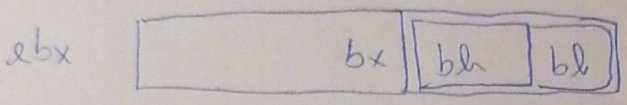
Exercício 3C — Joel Fernandes, a100762

4.1) movl $721, %ebx



4.2) a) i) %eax

$110_{16} = 1 \times 16^2 + 1 \times 16$

$= 272_{10}$

ii) 0x114 endereço AB_{16}

iii) $11B_{16}$

iv) (%eax) eax 110 110 FF

FF_{16} $M[110] = FF_{16}$

v) 4(%eax)

$M[110+4] = M[114] = AB_{16}$

vi) 9(%eax,%edx) $= M[110 + 3 + 9] = M[122]$

$= 55_{16}$

vii) 280(%ecx,%edx)

$= M[210 + 1 + 3] = M[214]$

viii) 0xFC(,%.edx,2) = M[FC16 + 2x2]

= M[FC16 + 24]

= M[120]

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  1 1
  FC
+ 24
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 120
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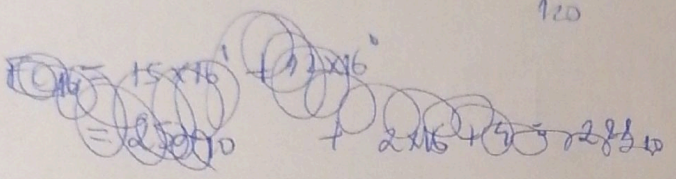

ix) 2(%eax, %.ebx) = M[110 + 3A + 2]

= M[112 + A]

= 55_{16}

b) i) $110_{16} + A_{16}$, guardado em %.ebx

= $11A_{16}$

ii) ecx = $FF_{16} + 1_{16}$ = 100_{16}

iii) edx = 3 - (4 + FF)

= 3 - 103_{16}

= 3 - 103_{16}

= -100_{16}

```
  1 1
  FF
+  4
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 103
```

iV)