TP4: Super Pong

- Extend the assembly routines wrote in TP3 into Pong
- Completely in assembly
- Handle buttons on GB

"main" in assembly...

```
.ARM
.align
.globle main
.main
  mov r0,#0x400
  add r0,r0,#0x3
  mov r1,#0x4000000
  str r0,[r1]
```

Buttons

Buttons are handled with one address bit per bit as described

in the TP handout.

Button	Bit
A	1
В	2
SELECT	3
START	4
RIGHT	5
LEFT	6
UP	7
DOWN	8
R	9
L	10

```
So how do we access these?
Example:
1111110111 [start button] 0x3F7
1111101111 [right button] 0x3EF
1111011111 [left button] 0x3DF
example:
ldr r9 ,=0x4000130
ldr r10,[r9]
Idr r11,=0x3DF
cmp r10,r11
```

TP4:

- Already have everything to do pong
 - FillRect, DrawLine ...
- Check the sample code for button handling in chamilo/Documents/2016/src