Synthesis report

使用到的 LUT 及 FF

LUT	FF	BRAM	URAM	DSP	Start	Elapse
225	50	0			10/19/23, 5:15 AM	00:00

```
使用到的 Component
Detailed RTL Component Info:
+---Adders :
  2 Input
            32 Bit
                         Adders := 2 (FIR 運算只用到一個)
  2 Input
           1 Bit
                         Adders := 1
+---Registers:
              32 Bit
                        Registers := 1
              12 Bit
                        Registers := 1
               4 Bit
                        Registers := 1
               2 Bit
                        Registers := 2
               1 Bit
                        Registers := 6
+---Multipliers:
             32x32
                   Multipliers := 1
+---Muxes :
            32 Bit
                          Muxes := 7
  2 Input
 16 Input
            32 Bit
                          Muxes := 1
  2 Input
            12 Bit
                          Muxes := 5
 16 Input
            12 Bit
                          Muxes := 2
 12 Input
            12 Bit
                          Muxes := 1
 14 Input
            4 Bit
                          Muxes := 1
  2 Input
            4 Bit
                          Muxes := 1
  2 Input
             3 Bit
                          Muxes := 1
                          Muxes := 1
  4 Input
             2 Bit
                          Muxes := 45
  2 Input
             1 Bit
                          Muxes := 1
 12 Input
             1 Bit
                          Muxes := 2
 11 Input
             1 Bit
```

15 Input	1 Bit	Muxes := 2	
16 Input	1 Bit	Muxes := 2	
14 Input	1 Bit	Muxes := 1	

Part Resources:

DSPs: 220 (col length:60)

BRAMs: 280 (col length: RAMB18 60 RAMB36 30)

Report Cell Usage:

+	+	-++
	Ce11	
+	+	-++
1	BUFG	7
2	CARRY4	20
3	DSP48E1	3
4	LUT1	2
5	LUT2	90
6	LUT3	9
7	LUT4	55
8	LUT5	19
9	LUT6	95
10	FDRE	49
11	FDSE	1
12	LD	1
13	LDC	205
14	LDCP	3
15	IBUF	159
16	OBUF	169
+	+	-++
