



2010-02

1

1

1

2

24

1

								/		/			
	x x							1/4		6			
	x x							1/2		6		x x	1
	x x							1/4	FPGA	5		4	6
	x x							0/0		6			

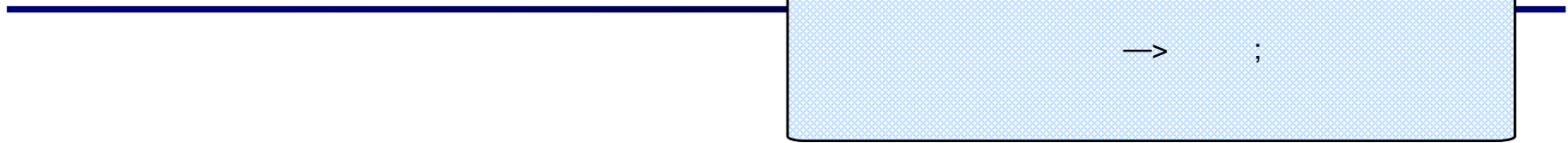


**2-1**

**2-2**



**3**



3

x x

2

x x

x x

190

x x mm

3

—



2-3



6



4

6

				/					
1		× ×		500000	1	500	12.0	12.0	3 4000 × 3 = 12 4000
							12.0	12.0	

2-4

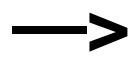


5

x x

1			
2			
1			
2			
3			
4	80	80	$\begin{array}{r} \times \times \\ \times \times \\ / \times 2 = 80 \end{array}$ $\begin{array}{r} 4800 \\ 40 \end{array} / \begin{array}{r} \times \times \\ 40 \end{array}$
3			
4			
5			
6			

**3-1**



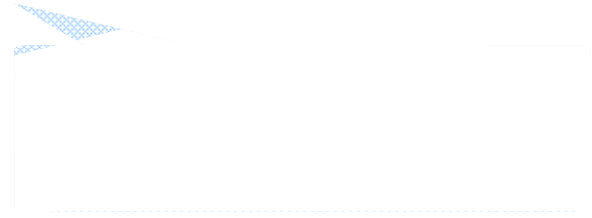
**4**







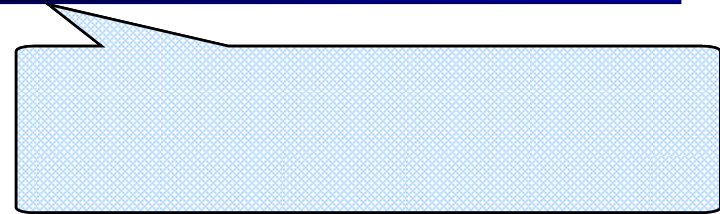
**3-2**



3-3



5



9

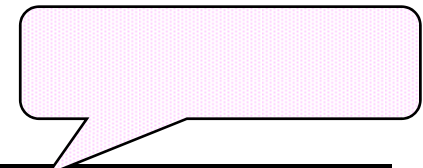
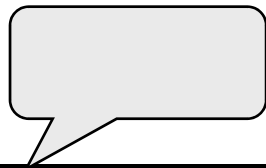
150

45

x x

5

195



1			5	x x	150.0	150.0	5 30 30 x 5 = 150
2			3		45.0	0.0	3 x x   x x   x x   15 15 x 3 = 45
					195.0	150.0	

# 3-4

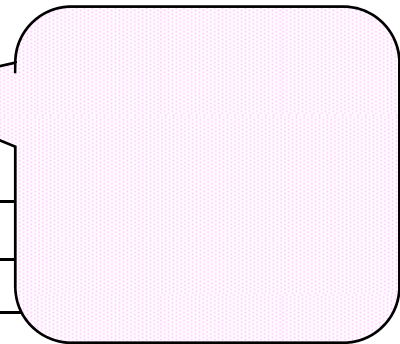


10

24.8

24.8

3				
1				
2				
3				
4 / /	24.8	24.8	1	$6-10$ $2500 \times 8 = 20$ $2$ $1000 + 800 = 1.8$ $3$
				$2500 / 8$ $2$ $1000 / 3$ $\times \times$
.....				



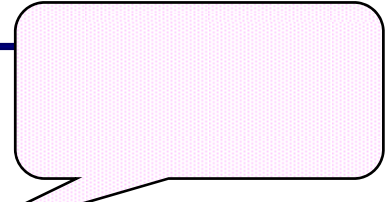
		900 /		2500 /
	/	500 /		
	PCT	30000		
		800		
				2000 /

**3-5**



11

34.525

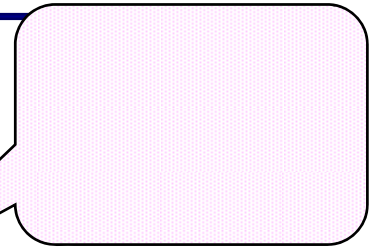



# 3-6



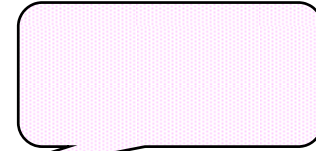
12

5670



3			
1			
2			
3			
4 / /			
/			
5			
6	5.67	5.67	$1 \quad 2000 / \quad 150 / \quad 50 / \quad 1 \quad 5 \quad 30$ $/ \quad , \quad 1200 / \quad 2000+ \quad 150+50+30$ $\times 5+1200=4350$ $2 \quad \times \times \quad 2 \quad 2 \quad 200$ $/ \quad 150 / \quad 50 / \quad 30 /$ $(200+(150+50+30) \times 2) \times 2=1320$ $4350+1320=5670$

13



1						
2						
3						
4	250	250	1 2	30 40	5000 2500 /	150 100
5	110	110	1 2 3	10 50	50	
6						



# 6-1



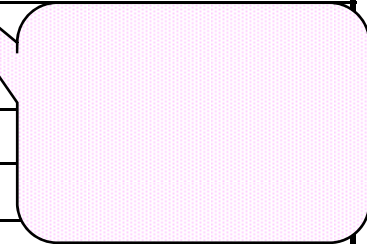
14

2

× ×

68.7

1				
2				
3				
4				
5				
6				
1	68.7	68.7	<p>1 10 × ×</p> <p>800 / / 7× 800 / / +10000</p> <p>+4400 =20000 20 / × 2 =40</p> <p>2 7-8 × × × × × ×</p> <p>10000 400 / 150 /</p> <p>500 [10000+ 400+150 × 7+500]× 2 =28700</p> <p>28.7+40=68.7</p>	



**6-2**



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