



2010-02

1

1

1

2

24

1

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|-----|------|---|---|--|--|
| | | | | | | | | / | | | / | | |
| | | | | | | | | 1/4 | | 6 | | | |
| | | | | | | | | 1/2 | | 6 | | | |
| | | | | | | | | 1/4 | FPGA | 5 | | | |
| | | | | | | | | 0/0 | | 6 | | | |

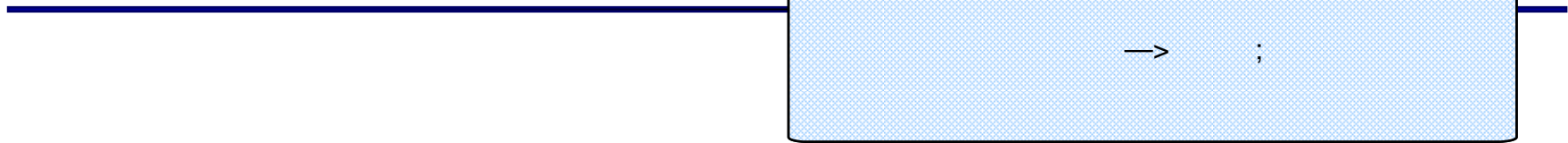


2-1

2-2



3



3

x x

2

x x

x x

190

x x mm

3



2-3



6

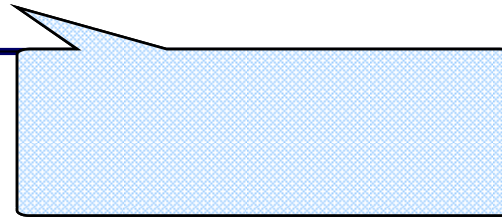


4

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 | $\frac{4800}{40} / 40$ $/ 2 = 80$ |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| | | | |

3-1



4



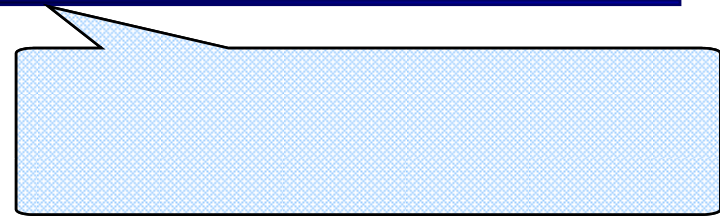
3-2



3-3



5



9

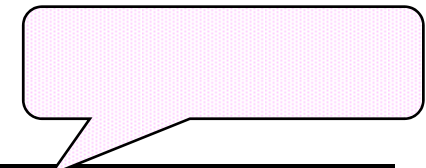
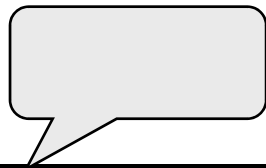
150

45

x x

5

195



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

3-4

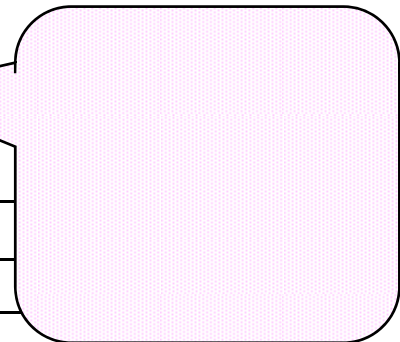


10

24.8

24.8

| | | | | |
|-------|------|------|-------|-------------------------|
| | | | | |
| 3 | | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 / / | 24.8 | 24.8 | 1 | 6-10 2500 8=20 2500 / 8 |
| | | | 800 / | 2 1000 / 3 |
| | | | | 1000+800=1.8 |
| | | | | 3 |
| | | | | |



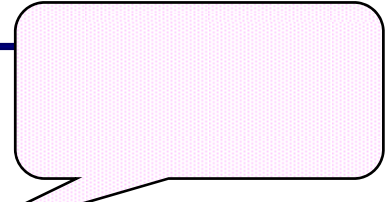
| | | | 2500 / | |
|--|-----|-------|--------|--|
| | / | | | |
| | PCT | 30000 | | |
| | | 800 | | |
| | | | 2000 / | |

3-5



11

34.525



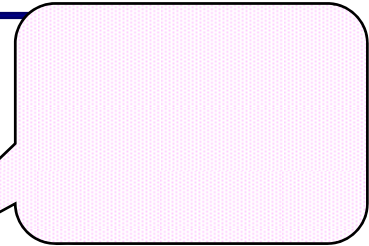
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|--|--|--|--|
| | | | |
| | | | |

3-6



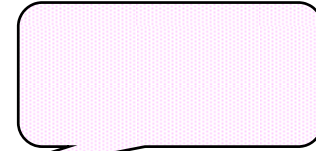
12

5670



| | | | |
|-------|------|------|--|
| | | | |
| 3 | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 / / | | | |
| / | | | |
| 5 | | | |
| 6 | 5.67 | 5.67 | <p>1 2000 / 150 / 50 / 1 5 30</p> <p>/ , 1200 / 2000+ 150+50+30</p> <p>5+1200=4350</p> <p>2 150 / . 50 / . 2 2 30 / . 200</p> <p>(200+(150+50+30) 2) 2=1320</p> <p>4350+1320=5670</p> |

13



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

6-1



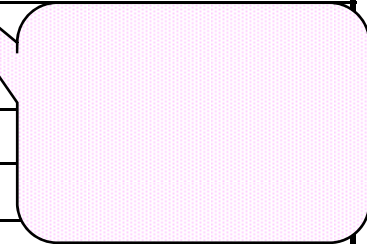
14

2

x x

68.7

| | | | | |
|---|------|------|------|--|
| | | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 1 | 68.7 | 68.7 | 1 10 | $\frac{800}{20} + \frac{7 \times 800}{2} + 10000 + 4400 = 20000 + 2800 + 10000 + 4400 = 42400$ $\frac{10000}{2} + \frac{400}{7+500} + \frac{150}{2} = 5000 + 0.077 + 75 = 5075.077$ $28.7 + 40 = 68.7$ |
| | | | | |



6-2



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