



2010-02

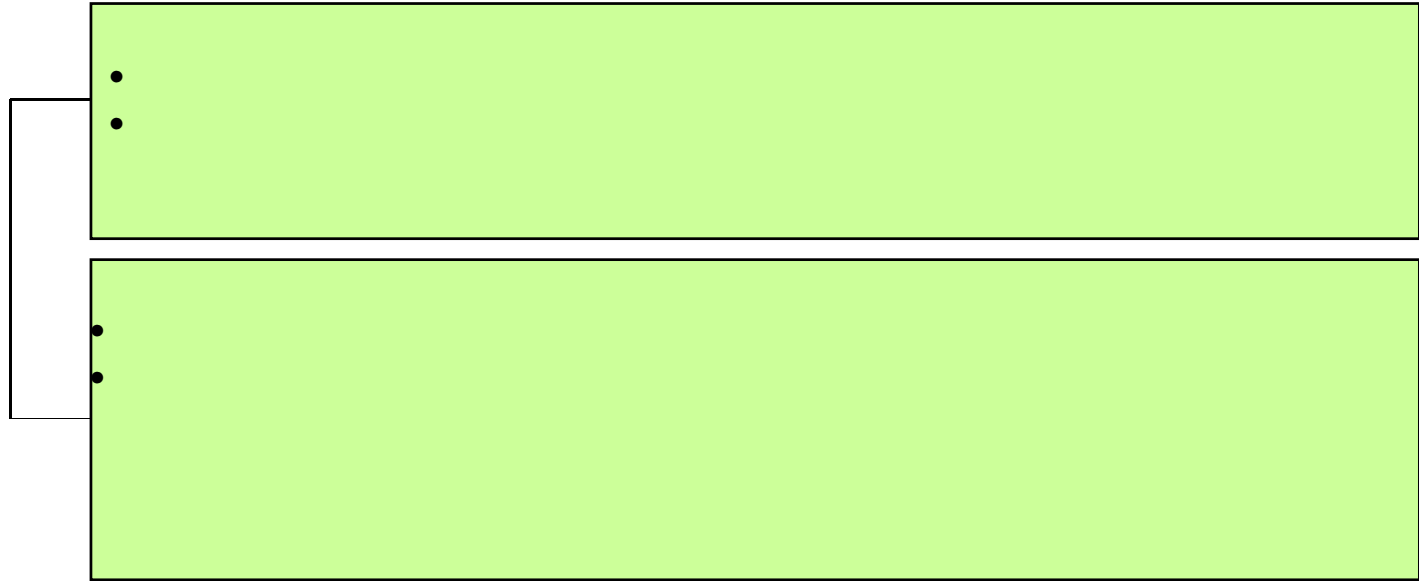
1

1

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

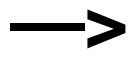
Diagram in large speech bubble:

```
graph TD; A["x x"] --- B["4"]; A --- C["1"]; B --- D["6"];
```

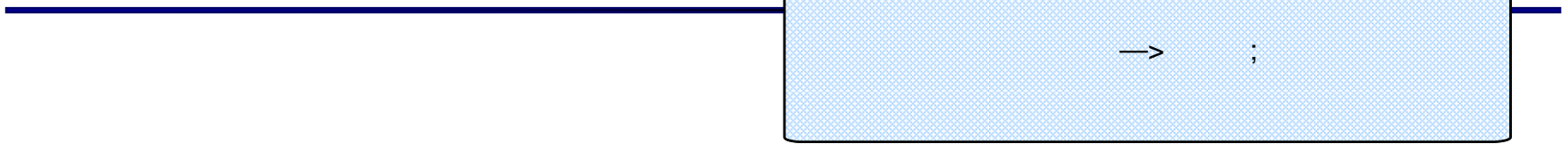


2-1

2-2



3



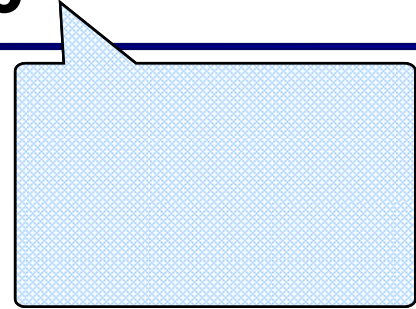
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2-3

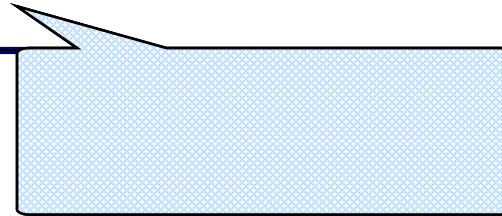


6



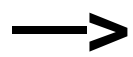
| | | | | | | | | | |
|---|--|-----|--|--------|---|-----|------|------|----------------------------|
| | | | | / | | | | | |
| 1 | | × × | | 500000 | 1 | 500 | 12.0 | 12.0 | 3 4000 × 3 = 12 4000 |
| | | | | | | | 12.0 | 12.0 | |

2-4



| | | | |
|---|----|----|--|
| | | | |
| 1 | | | |
| 2 | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | 80 | 80 | $\begin{matrix} \times \times \\ \times \times \\ / \times 2 = 80 \end{matrix}$ $\begin{matrix} 4800 \\ 40 \end{matrix} / \begin{matrix} \times \times \\ 40 \end{matrix}$ |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| | | | |

3-1



4



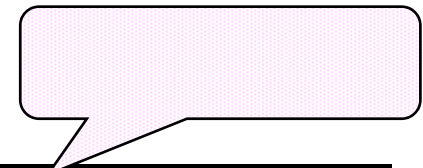
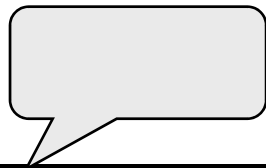
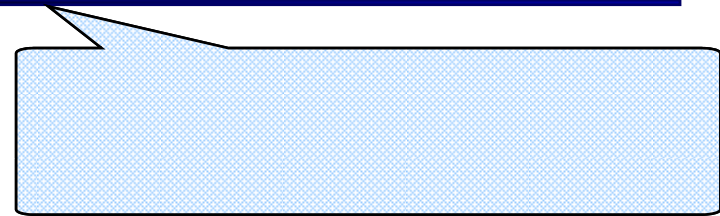
3-2



3-3



5

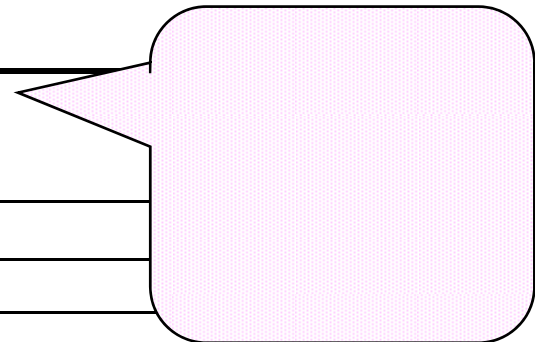


| | | | | | | | |
|---|--|--|---|-----|-------|-------|---|
| | | | | | | | |
| 1 | | | 5 | x x | 150.0 | 150.0 | 5 30 30 × 5 = 150 |
| 2 | | | 3 | | 45.0 | 0.0 | 3 x x x x x x 15 15 × 3 = 45 |
| | | | | | 195.0 | 150.0 | |

3-4

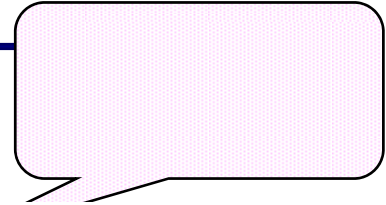


| | | | | |
|-------|------|------|-------|---|
| | | | | |
| 3 | | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 / / | 24.8 | 24.8 | 1 | 6-10 2500 × 8 = 20 2 1000 + 800 = 1.8 3 |
| | | | 800 / | 2500 / 2 1000 / 3 × × |
| | | | | 8 |



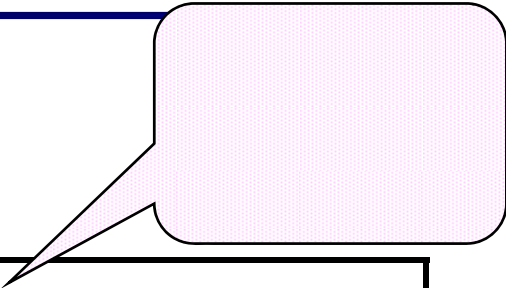
| | | 900 / | | 2500 / |
|--|-----|-------|-----|--------|
| | / | 500 / | | |
| | PCT | 30000 | | |
| | | | 800 | |
| | | | | 2000 / |

3-5

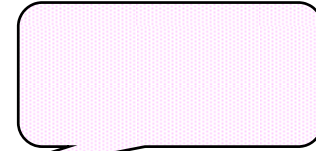


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|--|--|--|--|
| | | | |
| | | | |

3-6

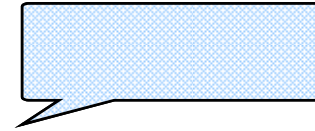


| | | | |
|-------|------|------|--|
| | | | |
| 3 | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 / / | | | |
| 5 | | | |
| 6 | 5.67 | 5.67 | $1 \quad 2000 / \quad 150 / \quad 50 / \quad 1 \quad 5 \quad 30$ $/ \quad , \quad 1200 / \quad 2000+ \quad 150+50+30$ $\times 5+1200=4350$ $2 \quad \times \times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

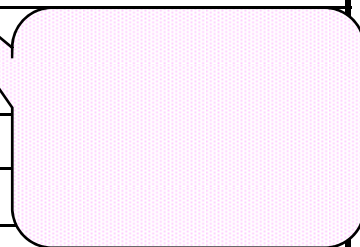


| | | | | | | | |
|---|-----|-----|---|----|----|--------|-----|
| | | | | | | | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | 250 | 250 | 1 | 30 | | 5000 | 150 |
| | | | 2 | 40 | | 2500 / | 100 |
| 5 | 110 | 110 | 1 | | | | |
| | | | | 10 | | | |
| | | | 2 | | 50 | | |
| | | |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

6-1



| | | | | |
|---|------|------|------|---|
| | | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 1 | 68.7 | 68.7 | 1 10 | $ \begin{array}{r} 800 / / \quad 7 \times 800 / / \quad \times \times \\ +4400 \quad =20000 \quad 20 / \times 2 =40 \\ 2 \quad 7-8 \quad \times \times \quad \times \times \quad \times \times \\ 500 \quad 10000 \quad 400 / \quad 150 / \\ [10000+ 400+150 \times 7+500] \times 2 =28700 \\ 28.7+40=68.7 \end{array} $ |
| | | | | |



6-2



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