

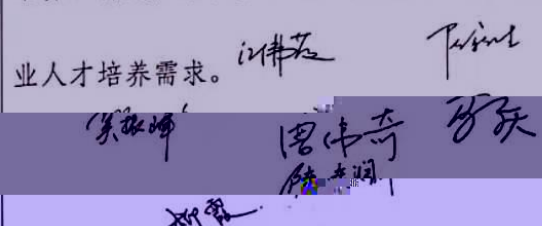
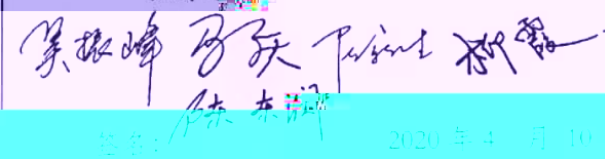

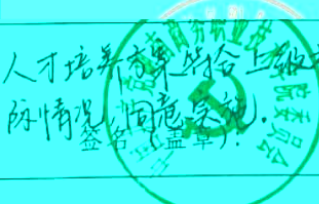


湖南商务职业技术学院
Hunan Vocational College of Commerce

**三年制高职
专业人才培养方案**

附件 1:

2020 级专业人才培养方案制订与审核表

| | |
|-----------|--|
| 专业名称 | 移动互联应用技术专业 |
| 专业代码 | 610115 |
| 专业建设委员会 | <p>培养目标定位准确，课程体系设置合理，符合现代企业人才培养需求。</p> <p>  </p> |
| 人才培养方案论证会 | <p>人才培养方案符合现代企业要求。</p> <p>  </p> |
| 学术委员会 | <p>人才培养目标清晰，课程体系和教学进程合理，实施保障较完善，同意实施。</p> <p>  </p> |
| 校级党组织会议审定 | <p>人才培养方案符合上级相关文件精神及学校实际情况，同意实施。</p> <p>  </p> |
| 备注 | |

目 录

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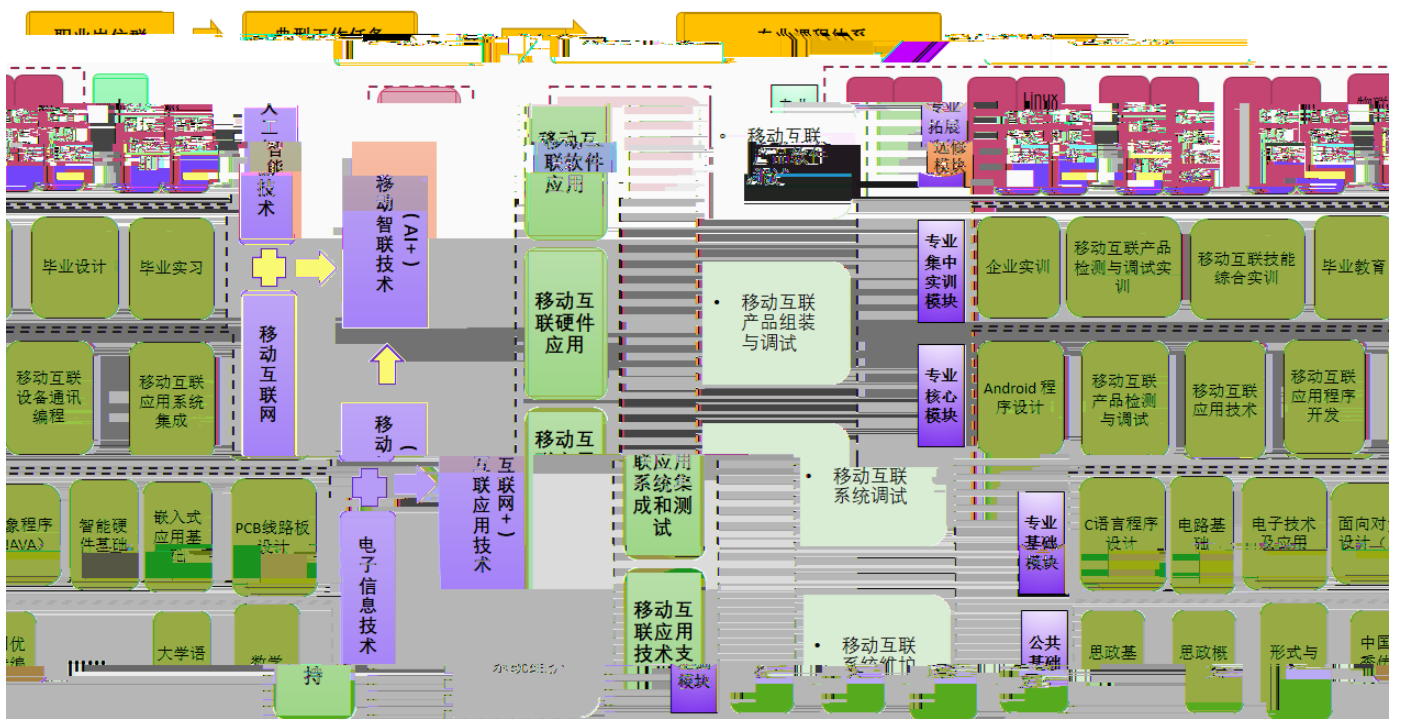
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| | | 2 | 3 | 1 | 5 |
| PCB | PCB PCB | 2 | 1 PCB | 1 | PCB |
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| | | STM32 GPRS Wi-Fi ZigBee | 50 |
| 3 | | Android | 50 |
| | | Wi-Fi Android | 50 |

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| | | 17 | 18 | 18 | 19 | 10 | 0 | 82 |
| | | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 1 | 0 | 1 | 0 | 4 | 0 | 6 |
| | | 0 | 0 | 0 | 0 | 9 | 15 | 24 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| | | 21 | 19 | 20 | 20 | 24 | 16 | 120 |
| | | 5 | 7 | 6 | 7 | 0 | | 25 |
| | | 26 | 26 | 26 | 27 | 24 | 16 | 145 |
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| | | | | | | 17 | 18 | 18 | 19 | 10 | 0 | |
| 1 | 0601025 | A | 3.0 | 48 | 48 | | 3 | | | | | 1 |
| 2 | 0601024 | A | 3.0 | 48 | 48 | | | 4*12 | | | | 2 |
| 3 | 0601046 | C | 1.0 | 16 | | 16 | | 4*4 | | | | 2 |
| 4 | 0601028 | A | 1.0 | 40 | 40 | 2*4 | 2*4 | 2*4 | 2*4 | 2*4 | | 5 |
| 5 | 0801001 | C | 2.0 | 112 | | 112 | 2 | | | | | |
| 6 | 0801215 | A | 2.0 | 36 | 36 | | | | | 4 | | 5 |
| 7 | 0603001 | B | 2.0 | 32 | 4 | 28 | 2*16 | | | | | 1 |
| 8 | 0603002 | B | 2.0 | 32 | 4 | 28 | | 2*16 | | | | 2 |
| 9 | 0603003 | B | 2.0 | 32 | 4 | 28 | | | 2*1 | | | 3 |
| 10 | 0603004 | B | 1.0 | 16 | 4 | 12 | | | | 1*16 | | 4 |
| 11 | 0601039 | A | 2.0 | 32 | 32 | | | | | 2 | | 4 |
| 12 | 0601070 | A | 1.0 | 16 | 16 | | 2*8 | | | | | 1 |
| 13 | 0601071 | A | 1.0 | 16 | 16 | | | | | 2*8 | | 4 |
| 14 | 0801080 | A | 2.0 | 32 | 32 | | | 2*8 | | | | 2 |
| 15 | 0801216 | A | 1.0 | 16 | 16 | | | 2*8 | | | | 2 |
| 16 | 0801217 | C | 1.0 | 28 | | 28 | | | | | | 5 |
| | | | 27.0 | 552 | 300 | 252 | 7 | 8 | 0 | 2 | 4 | |
| 17 | 0601072 | A | 1.0 | 16 | 16 | | | | | | | 2 |
| 18 | 0601069 | A | 1.0 | 16 | 16 | | | 1 | | | | 2 |
| 19 | 0201241 | A | 2.0 | 32 | 32 | | | | | | | 1 |
| 20 | 0201232 | A | 1.0 | 16 | 16 | | | | | | | 1 |
| 21 | 0201039 | A | 3.0 | 48 | 48 | | | | | | | |

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| 2 | | | B | 4 | 64 | 14 | 50 | 4 | | | | | | 1 | |
| 3 | | | B | 4 | 64 | 14 | 50 | | 4 | | | | | 2 | |
| 4 | JAVA | | B | 4.5 | 72 | 20 | 52 | | 4 | | | | | 2 | |
| 5 | | | B | 4 | 64 | 14 | 50 | | 4 | | | | | 2 | |
| 6 | | | B | 4.5 | 72 | 20 | 52 | | | 6 | | | | 3 | |
| 7 | PCB | | B | 4 | 64 | 12 | 52 | | | 4 | | | | 3 | |
| | | | | 29.0 | 464 | 108 | 356 | 8 | 12 | 10 | 0 | 0 | 0 | | |
| 1 | | | B | 4.5 | 72 | 22 | 50 | | | 6 | | | | 3 | |
| 2 | | | B | 4.5 | 72 | 20 | 52 | | | 4 | | | | 3 | |
| 3 | | | B | 4 | 64 | 18 | 46 | | | | 4 | | | 4 | |
| 4 | | | B | 4.5 | 72 | 12 | 60 | | | | 4 | | | 4 | |
| 5 | | | B | 4 | 64 | 18 | 46 | | | | 4 | | | 4 | |
| 6 | | | B | 4 | 64 | 16 | 48 | | | | 4 | | | 4 | |
| | | | | 25.5 | 408 | 106 | 302 | 0 | 0 | 10 | 16 | 0 | 0 | | |
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| 1 | | | B | 4 | 64 | 14 | 50 | | | | 4 | | | 4 |
| 2 | | | B | 4 | 64 | 20 | 44 | | | | 4 | | | 4 |
| 3 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| 4 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| 5 | | | B | 3.5 | 56 | 20 | 36 | | | | | 6 | | 5 |
| 6 | | | B | 3.5 | 56 | 20 | 36 | | | | | 6 | | 5 |
| 7 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| 8 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| 9 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| 10 | | | B | 2.5 | 40 | 10 | 30 | | | | | 4 | | 5 |
| | | | | 15 | 240 | 67 | 173 | 0 | 0 | 0 | 4 | 18 | 0 | |
| | | | C | 1 | 28 | 0 | 28 | 1 | | | | | | |
| | | | C | 1 | 28 | 0 | 28 | | | 1 | | | | |
| | | | C | 4 | 112 | 0 | 112 | | | | | 4 | | |
| | | | C | | | | | | | | | | | |
| | | | C | 6 | 28 | 0 | 28 | | | | | 0.5 | 0.5 | 6 |
| | | | C | 24 | 672 | 0 | 672 | | | | | 9 | 15 | 6 |
| | | | | 36 | 868 | 0 | 868 | 1 | 0 | 1 | 0 | 13.5 | 16 | |
| | | | | 51 | 1108 | 67 | 1041 | | | | | | | |

| | 7 | 2 | 8 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 300 | 252 | 552 | | | |
|--|----|---|----|---|----|---|----|---|----|------|---|------|-----|------|------|--|--|--|
| | 8 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 44 | 232 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 64 | | | |
| | 8 | 0 | 12 | 0 | 20 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 214 | 658 | 872 | | | |
| | | 1 | | 0 | | 1 | | 0 | | 13.5 | | 15.5 | 0 | 868 | 868 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 18 | 0 | 0 | 0 | 67 | 173 | 240 | | | |
| | 23 | 2 | 26 | 0 | 20 | 0 | 22 | 0 | 22 | 0 | 0 | 0 | 833 | 1995 | 2828 | | | |

30.0%

19.0%

70.5%

151.0

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|----|------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | | 48 | | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | | | |
| 2 | | 8 hours | | | | | | | | | | | | | | | | | | | | |
| 3 | | 112 | 56 | 56 | | | | | | | | | | | | | | | | | | |
| 4 | | 32 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | | 16 | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | | 48 | | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 |
| 7 | | 48 | | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |
| 8 | | 32 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | | 4 hours | | | | | | | | | | | | | | | | | | | | |
| 10 | C | 64 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 11 | | 64 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 12 | | 28 | | | | | | | | | | | | | | | | | | | 28 | 0 |
| | | | 56 | 56 | 22 | 20 | 22 | 20 | 22 | 20 | 22 | 20 | 24 | 22 | 24 | 22 | 24 | 22 | 24 | 22 | 28 | 0 |
| 1 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2 | | 8 hours | | | | | | | | | | | | | | | | | | | | |
| 3 | | 32 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | | 16 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | | 16 | | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | / | 16 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | 2 | 1 |
| 7 | | 32 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | / | 40 | | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 1 |
| 9 | / | 4 hours | | | | | | | | | | | | | | | | | | | 2 | 1 |
| 10 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 11 | JAVA | 72 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 12 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | 24 | 24 | 28 | 26 | 28 | 26 | 28 | 26 | 26 | 24 | 26 | 24 | 26 | 24 | 26 | 22 | 4 | 4 | 4 | 4 |

| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | |
|--|---|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 1 | 8 hours | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 32 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | |
| | 3 | 72 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | | | | | |
| | 4 | PCB | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | |
| | 5 | Android | 72 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | | | | | |
| | 6 | | 72 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 7 | | 28 | | | | | | | | | | | | | | | | | | | 28 | | |
| | | | | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 10 | 10 | 10 | 10 | 4 | 4 | 28 | | |
| | 1 | 8 hours | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| | 3 | () | 16 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | |
| | 4 | | 32 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | |
| | 5 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | |
| | 6 | | 72 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 7 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | |
| | 8 | | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | |
| | 9 | / | 64 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | 2 | 1 |
| | | | | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 4 | 4 | | | | |

表六 课程教学进程安排表

| 学期 | 序号 | 课程名称 | 总学时 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 备注 |
|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|----|----|----|----|----|----|----|--------------------------|----|----|----|----|----|
| 2019 | | | | | | | | | ○ | | | | | | | | | | 1 | 形势与政策（五） | | | | | 8周 |
| | 36 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | | | 2 | 军事理论 | | | | | |
| | 40 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | 选1 | | | 3 | Android嵌入式开发Linux嵌入式操作系统 | | | | | |
| | 56 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | | | | | 选1 | | | 4 | Linux应用开发Linux网络应用开发 | | | | | |
| | 72 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | |
| | 80 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | | | | | | | | | | |
| | 96 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | | | | | | | | | | | | | | |
| | 112 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | | | | | | | | | | | | |
| | 128 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | | | | | | | | | | | | | | |
| | 144 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | | | | | | | | | | | | | | |
| | 160 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | | | | | | | | | | | | | | |
| | 176 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | | | | | | | | | | | | | | | |
| | 192 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | | | | | | | | | | | | | |
| | 208 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | | | | | | | | | | | | | | |
| | 224 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | | | | | | | | | | | | | | |
| | 240 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | | | | | | | | | | | | | | |
| | 256 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | | | | | | | | | | | | | | | |
| | 272 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | | | | | | | | | | | | | |
| | 288 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | | | | | | | | | | | | | | | |
| | 304 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | | | | | | | | | | | | | | | |
| | 320 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | | | | | | | | | | | | | |
| | 336 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | | | | | | | | | | |
| | 352 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | | | | | | | | | | |
| | 368 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | | | | | | | | | | | | | | | |
| | 384 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | | | | | | | | | | |
| | 400 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | | | | | | | | | |
| | 416 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | | | | | | | | | | | | | | | |
| | 432 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | | | | | | | | | | | | | | | |
| | 448 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | | | | | | | | | | | | | | | |
| | 464 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | | | | | | | | | | | | | | | |
| | 480 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | | | | | | | |
| | 496 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | | | | | | | | | | | | | | | |
| | 512 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | | | | | | | | | | | | | | | |
| | 528 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | | | | | | | | | | | | | | | |
| | 544 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | | | | | | | | | | | | | | | |
| | 560 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | | | | | | | | | | | | | | | |
| | 576 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | | | | | | | | | | | | | | | |
| | 592 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | | | | | | | | | | | | | | | |
| | 608 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | | | | | | | | | | | | | | | |
| | 624 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | | | | | | | | | | | | | | | |
| | 640 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | | | | | | | | | | | | | | | |
| | 656 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | | | | | | | | | | | | | | | |
| | 672 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | | | | | | | | | | | | | | | |
| | 688 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | | | | | | | | | | | | | | | |
| | 704 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | | | | | | | | | | | | | | | |
| | 720 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | | | | | | | | | | | | | | |
| | 736 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | | | | | | | | | | | | | | | |
| | 752 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | | | | | | | | | | | | | | | |
| | 768 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | | | | | | | | | | | | | | | |
| | 784 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | | | | | | | | | | | | | | | |
| | 800 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | | | | | | | | | | | |

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