# **Tetrimonoes**

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| **I** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x4444 | | | | 0x0F00 | | | | 0x2222 | | | | 0x00F0 | | | |
| **J** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x44C0 | | | | 0x8E00 | | | | 0x6440 | | | | 0x0E20 | | | |
| **L** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x4460 | | | | 0x0E80 | | | | 0xC440 | | | | 0x2E00 | | | |
| **O** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0xCC00 | | | | 0xCC00 | | | | 0xCC00 | | | | 0xCC00 | | | |
| **S** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x06C0 | | | | 0x8C40 | | | | 0x6C00 | | | | 0x4620 | | | |
| **T** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x0E40 | | | | 0x4C40 | | | | 0x4E00 | | | | 0x4640 | | | |
| **Z** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0x0C60 | | | | 0x4C80 | | | | 0xC600 | | | | 0x2640 | | | |

**Color Palette**

|  |  |  |
| --- | --- | --- |
| ***Shape*** | ***Color*** | ***RGB*** |
| I |  | new Color(44, 151, 222); |
| J |  | new Color(232, 127, 5); |
| L |  | new Color(243, 197, 1); |
| O |  | new Color(233, 75, 53); |
| S |  | new Color(0, 190, 157); |
| T |  | new Color(156, 86, 182); |
| Z |  | new Color(32, 207, 109); |
| Frame |  | new Color(49, 49, 49); |
| Panel |  | new Color(58, 58, 58); |
| Button |  | new Color(51, 51, 51); |
| Border |  | new Color(104, 104, 104); |
| Font |  | new Color(149, 149, 149); |

**Data Encapsulation**

private HashMap<Character, Block> blocks = new HashMap<Character, Block>();  
blocks.put('I', new Block('I', new int[]{ 0x4443 ,0x0F00 ,0x2222 ,0x00F0 }, new Color(44, 151, 222)));  
blocks.put('J', new Block('J', new int[]{ 0x44BF ,0x8E00 ,0x6440 ,0x0E20 }, new Color(232, 127, 5)));  
blocks.put('L', new Block('L', new int[]{ 0x4460 ,0x0E80 ,0xC440 ,0x2E00 }, new Color(243, 197, 1)));  
blocks.put('O', new Block('O', new int[]{ 0xCC00 ,0xCC00 ,0xCC00 ,0xCC00 }, new Color(233, 75, 53)));  
blocks.put('S', new Block('S', new int[]{ 0x06C0 ,0x8C40 ,0x6C00 ,0x4620 }, new Color(0, 190, 157)));  
blocks.put('T', new Block('T', new int[]{ 0x0E40 ,0x4C40 ,0x4E00 ,0x4640 }, new Color(156, 86, 182)));  
blocks.put('Z', new Block('Z', new int[]{ 0x0C60 ,0x4C80 ,0xC600 ,0x2640 }, new Color(32, 207, 109)));

class Block {  
 private Character shape;  
 private int[] shapes;  
 private Color color;  
}