|  |  |  |
| --- | --- | --- |
| Strategy | Hex | Binary |
| None | 0x00000000 | 0 |
| Strategy1 | 0x00000001 | 1 |
| Strategy2 | 0x00000002 | 2 |
| Strategy3 | 0x00000004 | 4 |
| Strategy4 | 0x00000008 | 8 |
| Strategy5 | 0x00000010 | 16 |
| Strategy6 | 0x00000020 | 32 |
| Strategy7 | 0x00000040 | 64 |
| Strategy8 | 0x00000080 | 128 |
| Strategy9 | 0x00000100 | 256 |
| Strategy10 | 0x00000200 | 512 |
| Block nesting | 0x00000400 | 1024 |
| Block optimization | 0x00000800 | 2048 |
| IntelliNest | 0x00001000 | 4096 |
| IC Profile nesting | 0x00002000 | 8192 |
| IC Pattern and fill | 0x00004000 | 16384 |
| Manual nesting | 0x80000000 | -2147483648 |

Ok we have a bunch of strategies which are not in this list (a total of 579 to be precise)

My intuition is these are combinations of two or more strategies and the fStrategies value is the combination of the strategy values which are combined:

{-2147483647, -2147483646, -2147483645, -2147483644, -2147483643, -2147483642, -2147483641, -2147483640, -2147483639, -2147483637, -2147483636, -2147483635, -2147483634, -2147483633, -2147483632, -2147483631, -2147483630, -2147483629, -2147483628, -2147483624, -2147483620, -2147483618, -2147483617, -2147483616, -2147483615, -2147483612, -2147483611, -2147483608, -2147483600, -2147483584, -2147483583, -2147483582, -2147483568, -2147483567, -2147483520, -2147483519, -2147483518, -2147483516, -2147483512, -2147483511, -2147483504, -2147483500, -2147483496, -2147483492, -2147483488, -2147483472, -2147483456, -2147483415, -2147483392, -2147483391, -2147483388, -2147483387, -2147483384, -2147483376, -2147483360, -2147483328, -2147483324, -2147483232, -2147483200, -2147483136, -2147483135, -2147483134, -2147483132, -2147483128, -2147483127, -2147483126, -2147483120, -2147483112, -2147483104, -2147483096, -2147483080, -2147483072, -2147483008, -2147483004, -2147482984, -2147482976, 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