|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Register Inputs** | **No** | **Yes** | **Yes** | **Yes** | **Yes** |
| **Resource Sharing Factor** | **0** | **0** | **1** | **2** | **4** |
| **Multipliers** | 8 | 8 | 8 | 98 | 139 |
| **Adders/Subtractors** | 3 | 3 | 3 | 156 | 156 |
| **Registers** | 0 | 13 | 13 | 1015 | 422 |
| **RAMs** | 0 | 0 | 0 | 0 | 0 |
| **Multiplexers** | 13 | 13 | 13 | 512 | 223 |

“Optimization” is broken.