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| **Configuration** | **Operation assignment** | **Clock cycles** | **search runtime (ms)** | **optimal [yes/no]** |
| 1 adder, 1 multiplier | adder 1: 12 mul 1: 16 | 34 | 656 | yes |
| 1 adder, 2 multiplier | adder 1: 12 mul 1: 8 mul 2: 8 | 18 | 755 | yes |
| 1 adder, 3 multiplier | adder 1: 12 mul 1: 6 mul 2: 5 mul 3: 5 | 16 | 1m 8s | yes |
| 2 adder, 2 multiplier | adder 1: 10 adder 2: 2 mul 1: 8 mul 2: 8 | 18 | 741 | yes |
| 2 adder, 3 multiplier | adder 1: 8 adder 2: 4 mul 1: 6 mul 2: 6 mul 3: 4 | 15 | 822 | yes |
| 2 adder, 4 multiplier | adder 1: 6 adder 2: 6 mul 1: 4 mul 2: 4 mul 3: 4 mul 4: 4 | 11 | 766 | yes |