|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| I | OPCODE | OPCODE | OPCODE | ADDRESS | ADDRESS | ADDRESS | ADDRESS |

MEMORY INSTRUCTIONS:

AND:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| I | 0 | 0 | 0 | ADDRESS | ADDRESS | ADDRESS | ADDRESS |

ADD:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| I | 0 | 0 | 1 | ADDRESS | ADDRESS | ADDRESS | ADDRESS |

LDA:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| I | 0 | 1 | 0 | ADDRESS | ADDRESS | ADDRESS | ADDRESS |

STA:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| I | 0 | 1 | 1 | ADDRESS | ADDRESS | ADDRESS | ADDRESS |

REG INSTRUCTIONS:

CLA:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |

CLE:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |

CMA:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 |

INC:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |