QUESTION NO 8,9,10

1.CLA

program: LDA A

CLA

HLT

A: .data 1 5

2.CMA

program: LDA A

CMA

HLT

A: .data 1 4

1.CLA

program: LDA A

CLA

HLT

A: .data 1 4

3.CME

program: CME

HLT

4.HLT

program: STA A

OUT

HLT

A: .data 1 5

5.INC

program: LDA A

INC

OUT

HLT

A: .data 1 4

6.SNA

program: LDA A

SNA

INC

CLA

OUT

HLT

A: .data 1 -2

7.SPA

program: LDA A

SPA

INC

CLA

OUT

HLT

A: .data 1 -2

8.SZE

program: CME

SZE

LDA A

HLT

A: .data 1 5

9.CIR

program: LDA A

CIR

HLT

A: .data 1 4

10.CIL

program: LDA A

CIL

HLT

A: .data 1 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| OPERATIONS | AC | AR | E | IR | PC |
| CLA | 0000 | 800 | 0 | E800 | 001 |
| CMA | FFFB | 200 | 0 | E200 | 001 |
| CME | 0000 | 100 | 1 | E100 | 000 |
| HLT | 5 | 001 | 0 | E001 | 002 |
| INC | 5 | 020 | 0 | E020 | 001 |
| SNA | 0 | 008 | 0 | E008 | 001 |
| SPA | FFFE | 010 | 0 | E010 | 001 |
| SZE | 5 | 002 | 0 | E002 | 001 |
| CIR | 2 | 080 | 0 | E080 | 001 |
| CIL | A | 040 | 0 | E040 | 001 |